


**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> 1-10D-45 BTR				
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> ALTAMONT				
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>				
<b>6. NAME OF OPERATOR</b> BILL BARRETT CORP						<b>7. OPERATOR PHONE</b> 303 312-8164				
<b>8. ADDRESS OF OPERATOR</b> 1099 18th Street Ste 2300, Denver, CO, 80202						<b>9. OPERATOR E-MAIL</b> BHilgers@billbarrettcorp.com				
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> 1420H626290			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b> Uintah and Ouray			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
<b>20. LOCATION OF WELL</b>	<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>			
<b>LOCATION AT SURFACE</b>	476 FNL 1074 FEL		NENE	10	4.0 S	5.0 W	U			
<b>Top of Uppermost Producing Zone</b>	809 FNL 810 FEL		NENE	10	4.0 S	5.0 W	U			
<b>At Total Depth</b>	810 FNL 810 FEL		NENE	10	4.0 S	5.0 W	U			
<b>21. COUNTY</b> DUCESNE			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 810			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 640				
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 1874			<b>26. PROPOSED DEPTH</b> MD: 9550 TVD: 9524				
<b>27. ELEVATION - GROUND LEVEL</b> 5943			<b>28. BOND NUMBER</b> LPM8874725			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 43-180				
<b>Hole, Casing, and Cement Information</b>										
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Length</b>	<b>Weight</b>	<b>Grade &amp; Thread</b>	<b>Max Mud Wt.</b>	<b>Cement</b>	<b>Sacks</b>	<b>Yield</b>	<b>Weight</b>
<b>Cond</b>	26	16	0 - 80	65.0	Unknown	8.8	Unknown	0	0.0	0.0
<b>Surf</b>	14.75	10.75	0 - 2600	45.5	J-55 ST&C	8.8	Halliburton Light , Type Unknown	660	3.16	11.0
							Halliburton Premium , Type Unknown	360	1.36	14.8
<b>Prod</b>	9.875	5.5	0 - 9550	17.0	P-110 LT&C	9.7	Unknown	980	2.31	11.0
							Unknown	1310	1.42	13.5
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Venessa Langmacher				<b>TITLE</b> Senior Permit Analyst			<b>PHONE</b> 303 312-8172			
<b>SIGNATURE</b>				<b>DATE</b> 11/15/2011			<b>EMAIL</b> vlangmacher@billbarrettcorp.com			
<b>API NUMBER ASSIGNED</b> 43013510640000				<b>APPROVAL</b>  Permit Manager						

**RECEIVED: November 22, 2011**

**DRILLING PLAN**

BILL BARRETT CORPORATION

**1-10D-45 BTR Well Pad**

NE NE, 476' FNL and 1074' FEL, Section 10, T4S - R5W, USB&amp;M (surface hole)

NE NE, 810' FNL and 810' FEL, Section 10, T4S - R5W, USB&amp;M (bottom hole)

Duchesne County, UT

**1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals**

<b><u>Formation</u></b>	<b><u>Depth – MD</u></b>	<b><u>Depth – TVD</u></b>
Lower Green River*	4,912'	4,895'
Douglas Creek	5,803'	5,779'
Black Shale	6,700'	6,674'
Castle Peak	6,870'	6,844'
Uteland Butte	7,180'	7,154'
Wasatch*	7,405'	7,379'
TD	9,550'	9,524'

\*PROSPECTIVE PAY

Members of the Wasatch and the Lower Green River are primary objectives for oil/gas.

Base of Useable Water = 5,500'

**3. BOP and Pressure Containment Data**

<b><u>Depth Intervals</u></b>	<b><u>BOP Equipment</u></b>
0 – 2,600'	No pressure control required
2,600' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

**4. Casing Program**

<b><u>Hole Size</u></b>	<b><u>SETTING DEPTH</u></b>		<b><u>Casing Size</u></b>	<b><u>Casing Weight</u></b>	<b><u>Casing Grade</u></b>	<b><u>Thread</u></b>	<b><u>Condition</u></b>
	<b><u>(FROM)</u></b>	<b><u>(TO)</u></b>					
26"	Surface	80'	16"	65#			
14 3/4"	Surface	2,600'	10-3/4"	45.5#	J or K 55	BT&C	New
9-7/8" & 8-3/4"	Surface	TD	5 1/2"	17#	P-110	LT&C	New
<b>NOTE: If necessary due to lost circulation, BBC would like to request the option to set 7-5/8", 33.70# P-110 LT&amp;C to a depth of 7,400', then drill a 6-1/2" hole to TD and run 5-1/2" casing as a 2300' liner (200' liner lap).</b>							

Bill Barrett Corporation  
Drilling Program  
#1-10D-45 BTR  
Duchesne County, Utah

5. **Cementing Program**

<b><u>Casing</u></b>	<b><u>Cement</u></b>
16" Conductor Casing	Grout
14-3/4" hole for 10-3/4" Surface Casing	<p><i>Lead</i> with approximately 660 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft<sup>3</sup>/sx) circulated to surface with 75% excess. Planned top of lead cement at surface.</p> <p><i>Tail</i> with approximately 360 sx Halliburton Premium cement with additives mixed at 14.8 ppg (yield = 1.36 ft<sup>3</sup>/sx). Calculated hole volume with 75% excess. Planned top of tail cement at 2,100'.</p>
9-7/8 hole for 5 1/2" Production Casing May reduce hole size to 8-3/4" at 6000' if minimal hole problems.	<p><i>Lead</i> with approximately 980 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft<sup>3</sup>/sx). Planned top of lead cement at 2,100'</p> <p><i>Tail</i> with approximately 1310 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft<sup>3</sup>/sx). Planned top of tail cement at 6,199'.</p>
<p><b>NOTE: If 7-5/8" casing is necessary, cement with Lead with approximately 700 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft<sup>3</sup>/sx). Tail with approximately 240 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft<sup>3</sup>/sx). Planned TOC surface. We will perform a FIT to 10.2 ppg after drilling 20' of new hole.</b></p> <p><b>The 5-1/2" liner would be cemented with 300 sx of Class G 50/50 Poz w/ 2% gel (14.2 ppg) with additives from TD to 200' above TOL.</b></p>	

6. **Mud Program**

<b><u>Interval</u></b>	<b><u>Weight</u></b>	<b><u>Viscosity</u></b>	<b><u>Fluid Loss (API filtrate)</u></b>	<b><u>Remarks</u></b>
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 2,600'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
2,600' – TD	8.6 – 9.7	42 – 52	20 cc or less	DAP Polymer Fluid System
<p>Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.</p>				

Bill Barrett Corporation  
 Drilling Program  
 #1-10D-45 BTR  
 Duchesne County, Utah

**7. Testing, Logging and Core Programs**

Cores	None anticipated
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.
<b>NOTE: If BBC pursues the "Alternate" program, a suite of the above logs will be run on both the intermediate and production hole sections.</b>	

**8. Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4804 psi\* and maximum anticipated surface pressure equals approximately 2709 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

\*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

\*\*Maximum surface pressure = A – (0.22 x TD)

**9. Auxiliary Equipment**

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

**10. Location and Type of Water Supply**

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

**11. Drilling Schedule**

Location Construction: June 2012  
 Spud: June 2012  
 Duration: 15 days drilling time  
 45 days completion time



**PRESSURE CONTROL EQUIPMENT – Schematic Attached**

**A. Type: Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer.** The blow out preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
4. 3-inch diameter choke line.
5. Two (2) choke line valves (3-inch minimum).
6. Kill line (2-inch minimum).
7. Two (2) chokes with one (1) remotely controlled from the rig floor.
8. Two (2) kill line valves, and a check valve (2-inch minimum).
9. Upper and lower kelly cock valves with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Inside BOP or float sub available.
12. Pressure gauge on choke manifold.
13. Fill-up line above the uppermost preventer.

**B. Pressure Rating:** 5,000 psi

**C. Testing Procedure:**

Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

**D. Choke Manifold Equipment:**

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

**E. Accumulator:**

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the *Onshore Oil & Gas Order Number 2*.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

**F. Miscellaneous Information:**

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.



# Bill Barrett Corporation

## LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

AS OF: 2/18/2011

**Well Name:** 1-10D-45 BTR

**Surface Hole Data:**

Total Depth:	2,600'
Top of Cement:	0'
OD of Hole:	14.750"
OD of Casing:	10.750"

**Calculated Data:**

Lead Volume:	2044.5	ft <sup>3</sup>
Lead Fill:	2,100'	
Tail Volume:	486.8	ft <sup>3</sup>
Tail Fill:	500'	

**Cement Data:**

Lead Yield:	3.16	ft <sup>3</sup> /sk
% Excess:	75%	
Top of Lead:	0'	

**Calculated # of Sacks:**

# SK's Lead:	660
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Tail Yield:	1.36	ft <sup>3</sup> /sk
% Excess:	75%	
Top of Tail:	2,100'	

# SK's Tail:	360
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**Production Hole Data:**

Total Depth:	9,550'
Top of Cement:	2,100'
Top of Tail:	6,199'
OD of Hole:	9.875"
OD of Casing:	5.500"

**Calculated Data:**

Lead Volume:	2255.7	ft <sup>3</sup>
Lead Fill:	4,099'	
Tail Volume:	1844.3	ft <sup>3</sup>
Tail Fill:	3,351'	

**Cement Data:**

Lead Yield:	2.31	ft <sup>3</sup> /sk
Tail Yield:	1.42	ft <sup>3</sup> /sk
% Excess:	50%	

**Calculated # of Sacks:**

# SK's Lead:	980
# SK's Tail:	1310

**RECEIVED:** November 15, 2011

<b>1-10D-45 BTR Proposed Cementing Program</b>
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<u>Job Recommendation</u>	<u>Surface Casing</u>
<b>Lead Cement - (2100' - 0')</b>	
Halliburton Light Premium	Fluid Weight: 11.0 lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield: 3.16 ft <sup>3</sup> /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid: 19.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid: 0'
2.0% Bentonite	Calculated Fill: 2,100'
	Volume: 364.11 bbl
	<b>Proposed Sacks: 660 sks</b>
<b>Tail Cement - (TD - 2100')</b>	
Premium Cement	Fluid Weight: 14.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.36 ft <sup>3</sup> /sk
	Total Mixing Fluid: 6.37 Gal/sk
	Top of Fluid: 2,100'
	Calculated Fill: 500'
	Volume: 86.69 bbl
	<b>Proposed Sacks: 360 sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>
<b>Lead Cement - (6199' - 2100')</b>	
Tuned Light <sup>TM</sup> System	Fluid Weight: 11.0 lbm/gal
	Slurry Yield: 2.31 ft <sup>3</sup> /sk
	Total Mixing Fluid: 10.65 Gal/sk
	Top of Fluid: 2,100'
	Calculated Fill: 4,099'
	Volume: 401.73 bbl
	<b>Proposed Sacks: 980 sks</b>
<b>Tail Cement - (9550' - 6199')</b>	
Econocem <sup>TM</sup> System	Fluid Weight: 13.5 lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield: 1.42 ft <sup>3</sup> /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid: 6.61 Gal/sk
	Top of Fluid: 6,199'
	Calculated Fill: 3,351'
	Volume: 328.45 bbl
	<b>Proposed Sacks: 1310 sks</b>

T4S, R5W, U.S.B.&M.

BILL BARRETT CORPORATION

1979 Alum. Cap  
1.8' High, Set  
Marked Stone,  
Steel Post.  
S89°58'38"E  
2638.73' (Meas.)  
1993 Alum. Cap  
0.8' High, Pile  
of Stones  
N89°44'45"E - 2636.52' (Meas.)  
1993 Alum. Cap  
0.3' High, Pile  
of Stones

#1-10D-45 BTR

Elev. Ungraded Ground = 5943'

476'

1074'

810'

Bottom  
Hole

500°02'20"W - 2649.87' (Meas.)

2002 Alum. Cap  
0.5' High, Pile  
of Stones

2002 Alum. Cap  
0.3' High, Pile  
of Stones

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of Stones

10

Section Corner  
Re-Established by  
Bearing Tree  
Information

Set Marked Stone

2002 Alum. Cap  
0.5' High, Pile  
of Stones

2002 Alum. Cap  
0.5' High, Pile  
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of Stones

LEGEND:

— = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

△ = SECTION CORNERS  
RE-ESTABLISHED.

(Not Set on Ground.)

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S38°23'37"E	424.79'

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE	= 40°09'09.39" (40.152608)	LATITUDE	= 40°09'12.68" (40.153522)
LONGITUDE	= 110°25'47.28" (110.429800)	LONGITUDE	= 110°25'50.68" (110.430744)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE	= 40°09'09.54" (40.152650)	LATITUDE	= 40°09'12.83" (40.153564)
LONGITUDE	= 110°25'44.72" (110.429089)	LONGITUDE	= 110°25'48.12" (110.430033)

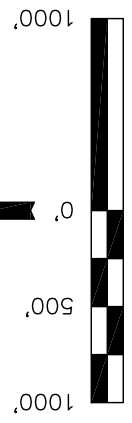
Well location, #1-10D-45 BTR, located as shown in the NE 1/4 NE 1/4 of Section 10, T4S, R5W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M., TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE  
CERTIFICATE

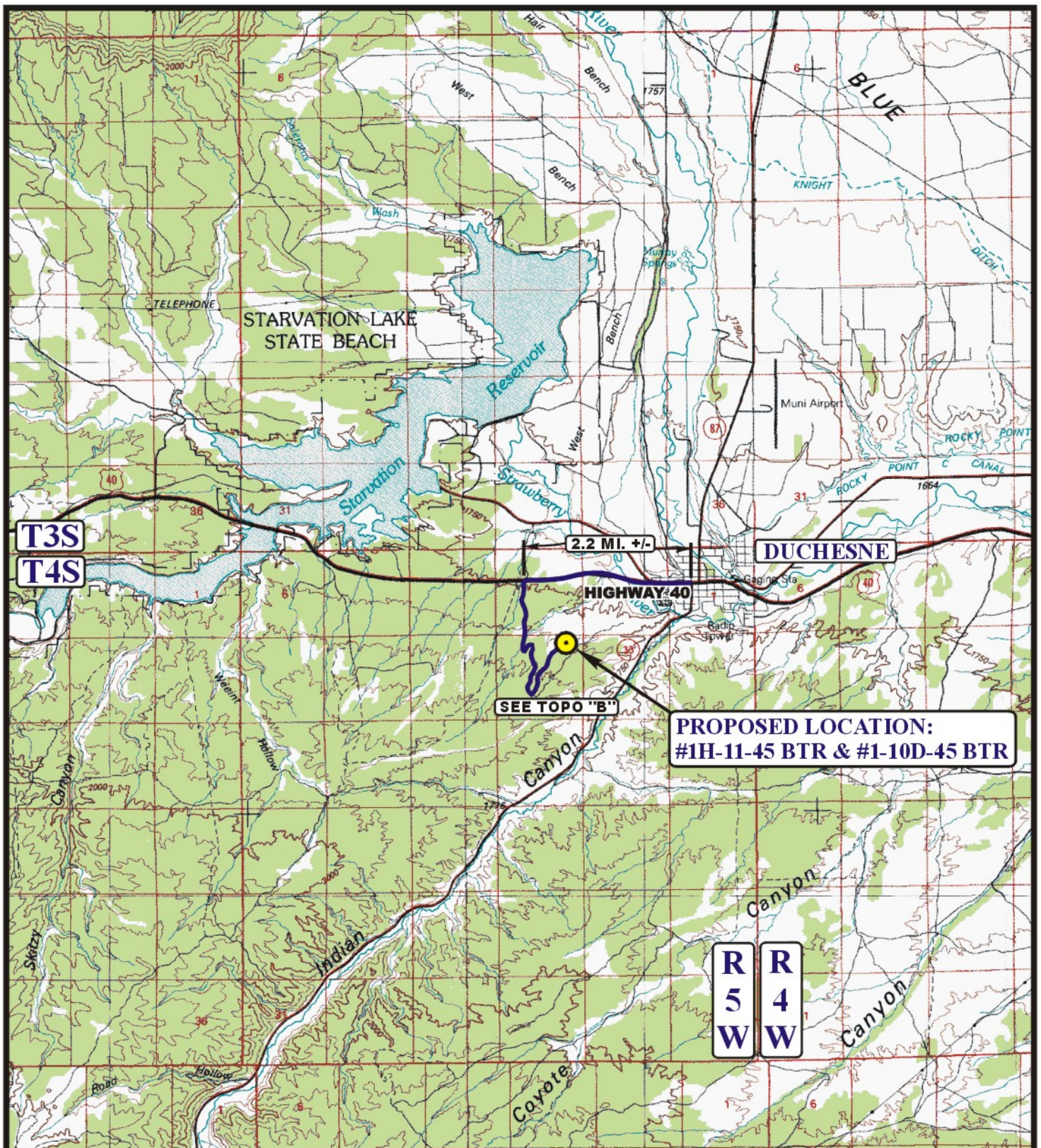
THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY CLOSE SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ROBERT L. KAY  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH DATE 09-04-11

REVISED: 08-04-11  
REVISED: 05-05-11

UTIAH ENGINEERING & LAND SURVEYING			
85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017			
SCALE 1" = 1000'	DATE SURVEYED: 12-14-10	DATE DRAWN: 01-26-11	
PARTY T.A. C.N. S.B.	REFERENCES G.L.O. PLAT		
WEATHER COLD	FILE		
			BILL BARRETT CORPORATION





**LEGEND:**

PROPOSED LOCATION

**BILL BARRETT CORPORATION**

**#1H-11-45 BTR & #1-10D-45 BTR  
SECTION 10, T4S, R5W, U.S.B.&M.  
NE 1/4 NE 1/4**



**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



**ACCESS ROAD  
MAP**

**01 04 11**  
MONTH DAY YEAR

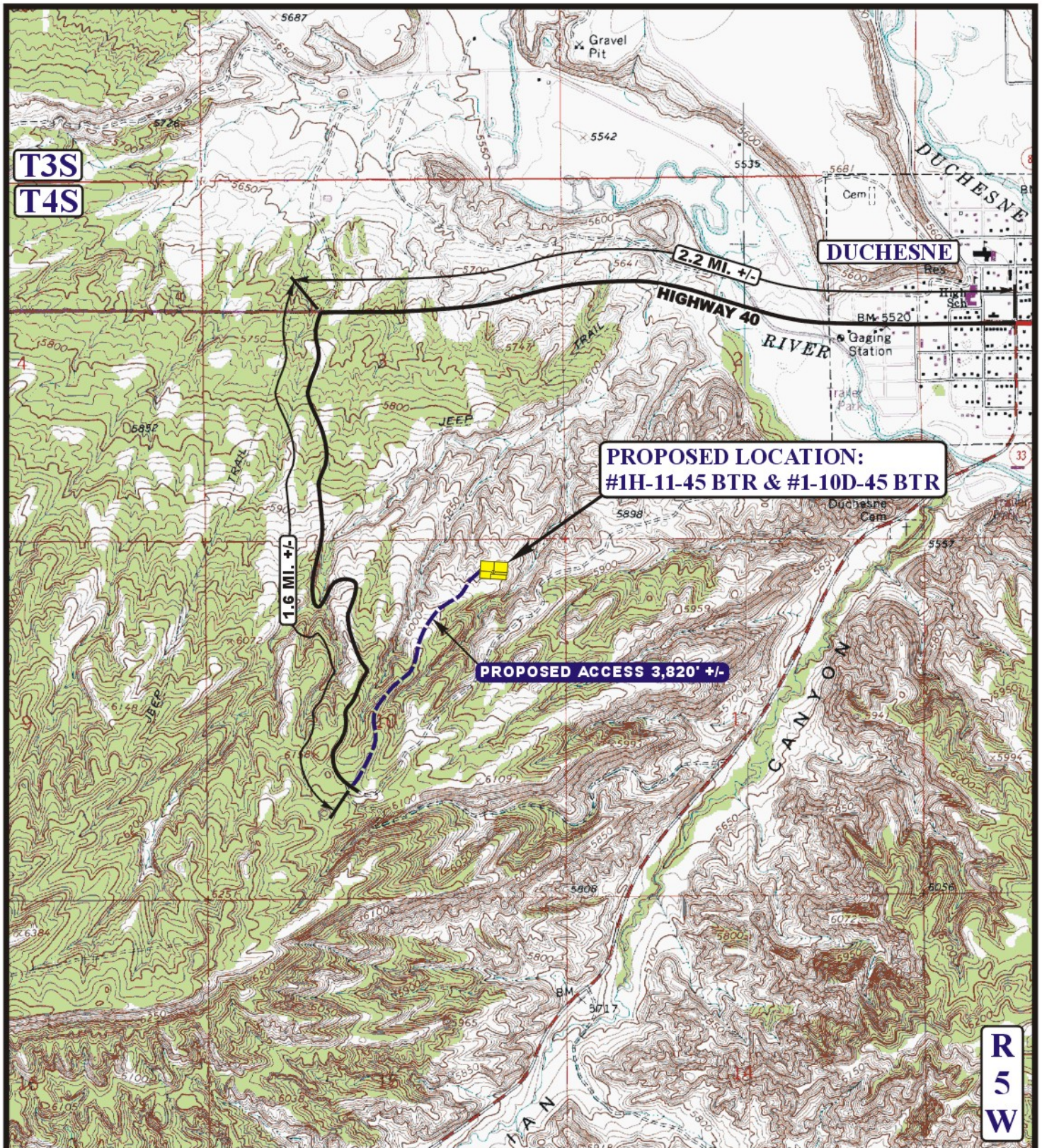
SCALE: 1:100,000

DRAWN BY: J.J.

REV: 07-27-11 C.I.







**LEGEND:**

———— EXISTING ROAD  
- - - - - PROPOSED ACCESS ROAD



**BILL BARRETT CORPORATION**

**#1H-11-45 BTR & #1-10D-45 BTR**  
**SECTION 10, T4S, R5W, U.S.B.&M.**  
**NE 1/4 NE 1/4**



**Uintah Engineering & Land Surveying**  
**85 South 200 East Vernal, Utah 84078**  
**(435) 789-1017 \* FAX (435) 789-1813**

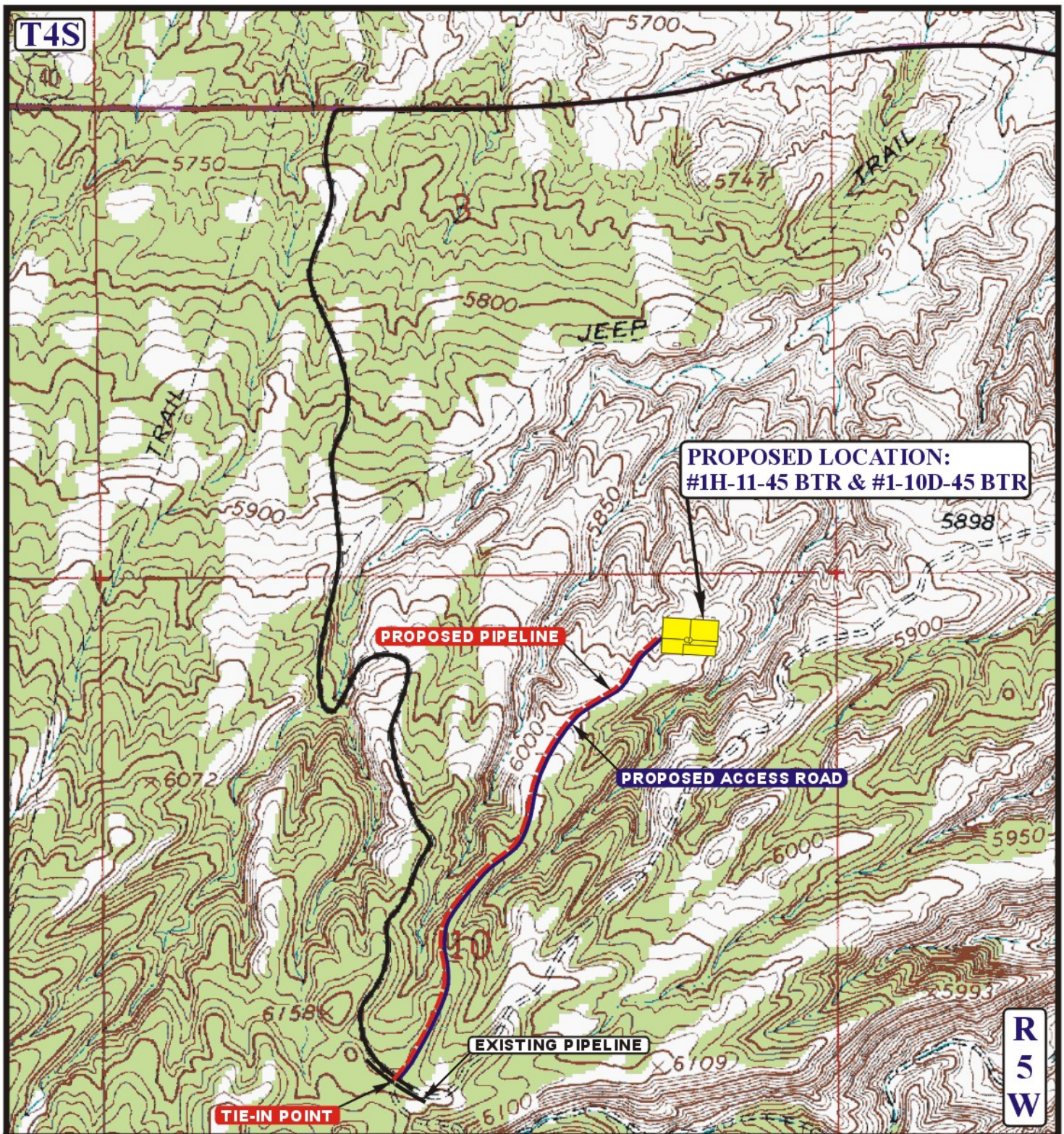
**ACCESS ROAD**  
**MAP**

**01 04 11**  
MONTH DAY YEAR

**B**  
**TOPO**

SCALE: 1" = 2000' DRAWN BY: J.J. REV: 07-27-11 C.I.





**APPROXIMATE TOTAL PIPELINE DISTANCE = 3,880' +/-**

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE

**BILL BARRETT CORPORATION**

**#1H-11-45 BTR & #1-10D-45 BTR  
SECTION 10, T4S, R5W, U.S.B.&M.  
NE 1/4 NE 1/4**

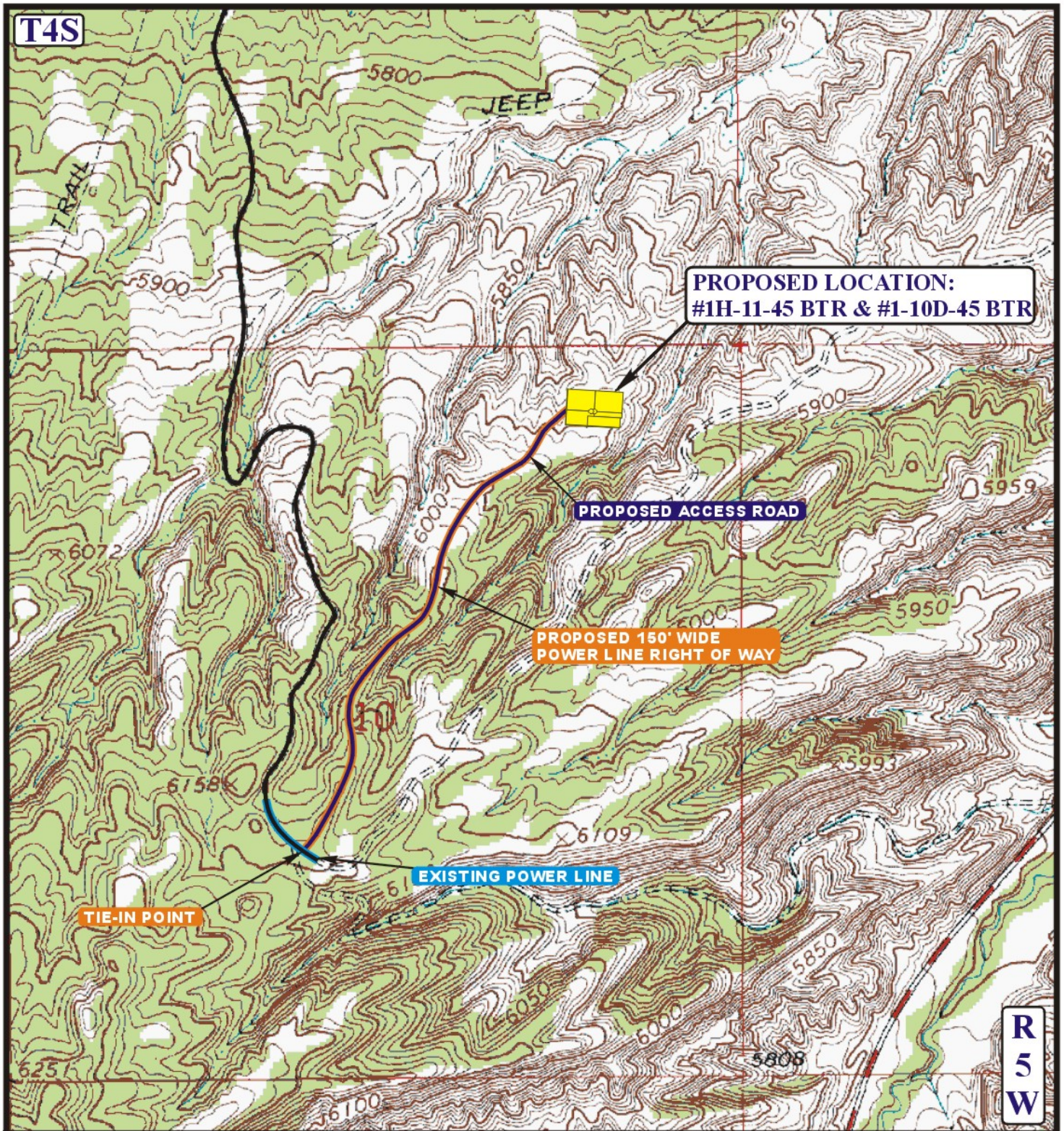
**U&LS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC MAP** **01 04 11**  
MONTH DAY YEAR  
SCALE: 1" = 1000' DRAWN BY: J.J. REV: 07-27-11 C.I.

**C**  
**TOPO**





**APPROXIMATE TOTAL POWER LINE DISTANCE = 3,820' +/-**

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING POWERLINE
- PROPOSED POWER LINE

**BILL BARRETT CORPORATION**

**#1H-11-45 BTR & #1-10D-45 BTR**  
**SECTION 10, T4S, R5W, U.S.B.&M.**  
**NE 1/4 NE 1/4**

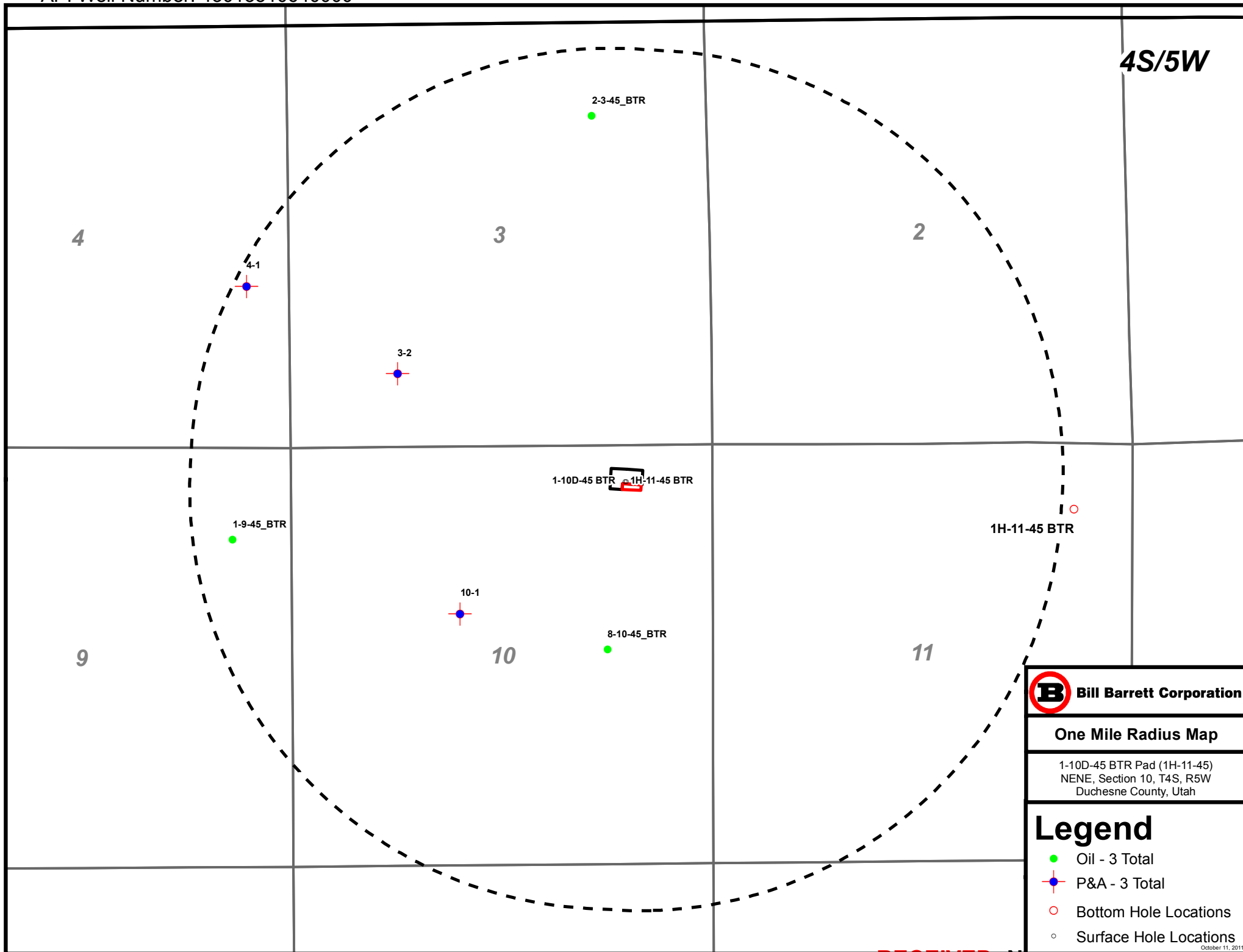
**U&L S** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC** **01 04 11**  
**MAP** MONTH DAY YEAR  
 SCALE: 1" = 1000' DRAWN BY: J.J. REV: 07-27-11 C.I.

**D**  
**TOPO**





4S/5W



### One Mile Radius Map

1-10D-45 BTR Pad (1H-11-45)  
NENE, Section 10, T4S, R5W  
Duchesne County, Utah

## Legend

- Oil - 3 Total
- + + P&A - 3 Total
- Bottom Hole Locations
- Surface Hole Locations

RECEIVED: November 15, 2011



## COMPANY DETAILS: BILL BARRETT CORP

Calculation Method: Minimum Curvature  
 Error System: ISCWSA  
 Scan Method: Closest Approach 3D  
 Error Surface: Elliptical Conic  
 Warning Method: Error Ratio

## SITE DETAILS: 1-10D-45 BTR

## Blacktail Ridge

Site Centre Latitude: 40° 9' 12.830 N  
 Longitude: 110° 25' 48.119 W

Positional Uncertainty: 0.0  
 Convergence: 0.69  
 Local North: True

## WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
1-10D-45 3PT MKR	6204.0	-332.9	263.9	40° 9' 9.540 N	110° 25' 44.720 W	Rectangle (Sides: L200.0 W200.0)
1-10D-45 PBHL	9524.0	-332.9	263.9	40° 9' 9.540 N	110° 25' 44.720 W	Rectangle (Sides: L200.0 W200.0)

## SECTION DETAILS

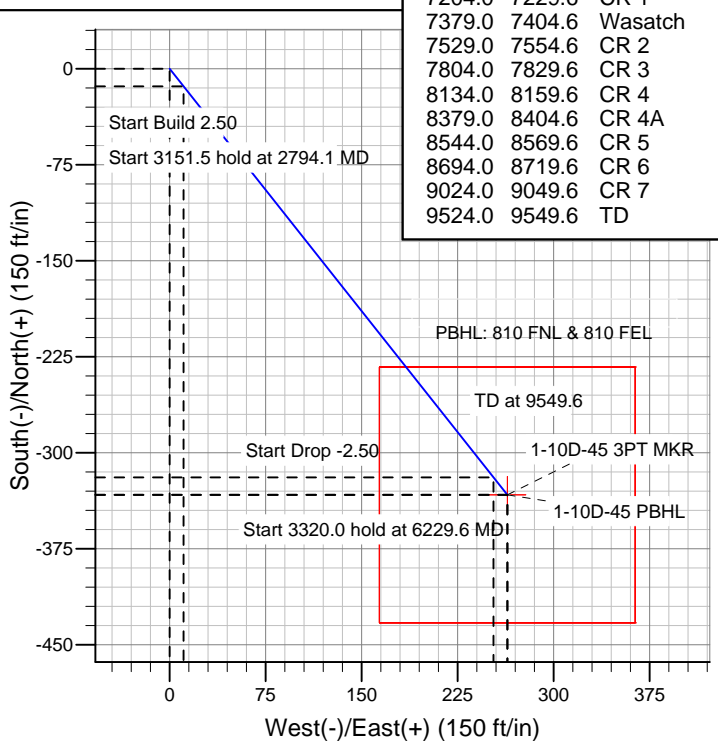
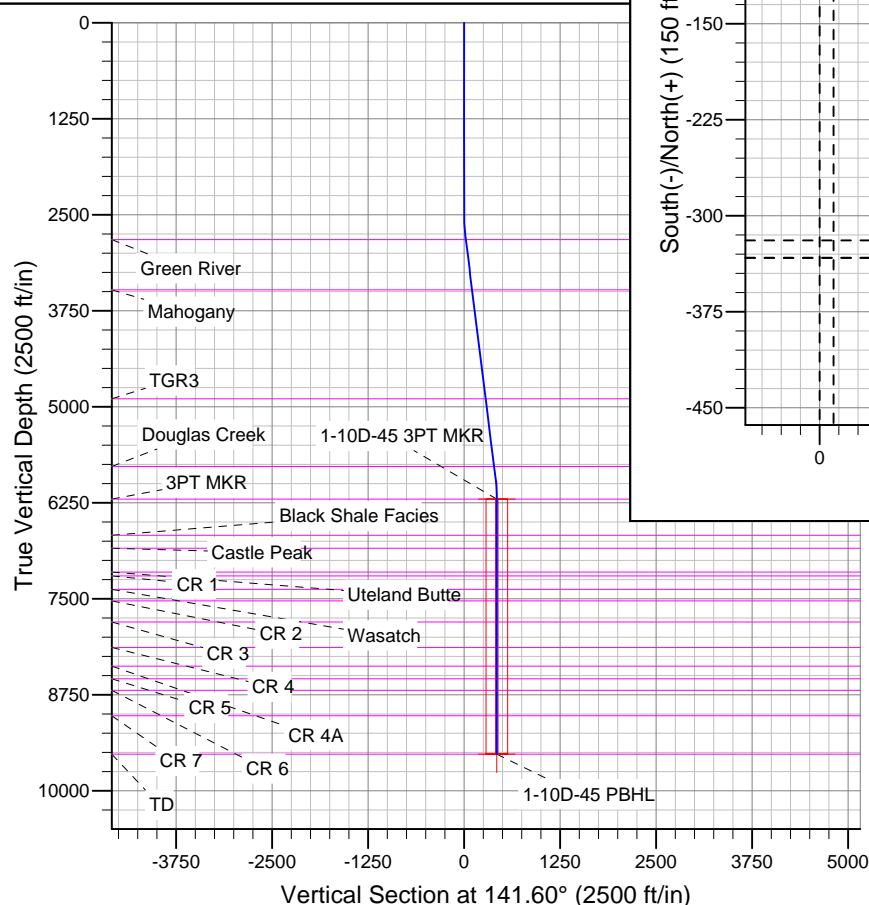
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2510.0	0.00	0.00	2510.0	0.0	0.0	0.00	0.00	0.0	
3	2794.1	7.10	141.60	2793.4	-13.8	10.9	2.50	141.60	17.6	
4	5945.5	7.10	141.60	5920.6	-319.1	252.9	0.00	0.00	407.2	
5	6229.6	0.00	0.00	6204.0	-332.9	263.9	2.50	180.00	424.8	1-10D-45 3PT MKR
6	9549.6	0.00	0.00	9524.0	-332.9	263.9	0.00	0.00	424.8	1-10D-45 PBHL

## FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2824.0	2825.0	Green River
3479.0	3485.0	Mahogany
4895.0	4912.0	TGR3
5779.0	5802.8	Douglas Creek
6204.0	6229.6	3PT MKR
6674.0	6699.6	Black Shale Facies
6844.0	6869.6	Castle Peak
7154.0	7179.6	Uteland Butte
7204.0	7229.6	CR 1
7379.0	7404.6	Wasatch
7529.0	7554.6	CR 2
7804.0	7829.6	CR 3
8134.0	8159.6	CR 4
8379.0	8404.6	CR 4A
8544.0	8569.6	CR 5
8694.0	8719.6	CR 6
9024.0	9049.6	CR 7
9524.0	9549.6	TD

## CASING DETAILS

No casing data is available



Azimuths to True North  
 Magnetic North: 11.43°

Magnetic Field  
 Strength: 52234.1snT  
 Dip Angle: 65.80°  
 Date: 11/4/2011  
 Model: IGRF2010

# **BILL BARRETT CORP**

**DUCHESNE COUNTY, UT (NAD 27)**

**1-10D-45 BTR**

**1-10D-45 BTR**

**1-10D-45 BTR**

**Plan: Design #1**

## **Standard Planning Report**

**04 November, 2011**

## Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well 1-10D-45 BTR
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 5958.0ft (Original Well Elev)
<b>Project:</b>	DUCHESNE COUNTY, UT (NAD 27)	<b>MD Reference:</b>	KB @ 5958.0ft (Original Well Elev)
<b>Site:</b>	1-10D-45 BTR	<b>North Reference:</b>	True
<b>Well:</b>	1-10D-45 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	1-10D-45 BTR		
<b>Design:</b>	Design #1		

<b>Project</b>	DUCHESNE COUNTY, UT (NAD 27)		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Ground Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Utah Central 4302		

Site		1-10D-45 BTR			
Site Position:		Northing:	664,769.92 ft	Latitude:	40° 9' 12.830 N
From:	Lat/Long	Easting:	2,299,067.70 ft	Longitude:	110° 25' 48.119 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.69 °

Well	1-10D-45 BTR					
Well Position	+N/-S	0.0 ft	Northing:	664,769.91 ft	Latitude:	40° 9' 12.830 N
	+E/-W	0.0 ft	Easting:	2,299,067.70 ft	Longitude:	110° 25' 48.119 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,943.0 ft

<b>Wellbore</b>	1-10D-45 BTR				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	11/4/2011	11.43	65.80	52,234

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	141.60

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,510.0	0.00	0.00	2,510.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,794.1	7.10	141.60	2,793.4	-13.8	10.9	2.50	2.50	0.00	141.60	
5,945.5	7.10	141.60	5,920.6	-319.1	252.9	0.00	0.00	0.00	0.00	
6,229.6	0.00	0.00	6,204.0	-332.9	263.9	2.50	-2.50	0.00	180.00	1-10D-45 3PT MKR
9,549.6	0.00	0.00	9,524.0	-332.9	263.9	0.00	0.00	0.00	0.00	1-10D-45 PBHL

## Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well 1-10D-45 BTR
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 5958.0ft (Original Well Elev)
<b>Project:</b>	DUCHESNE COUNTY, UT (NAD 27)	<b>MD Reference:</b>	KB @ 5958.0ft (Original Well Elev)
<b>Site:</b>	1-10D-45 BTR	<b>North Reference:</b>	True
<b>Well:</b>	1-10D-45 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	1-10D-45 BTR		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,510.0	0.00	0.00	2,510.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	2.25	141.60	2,600.0	-1.4	1.1	1.8	2.50	2.50	0.00
2,700.0	4.75	141.60	2,699.8	-6.2	4.9	7.9	2.50	2.50	0.00
2,794.1	7.10	141.60	2,793.4	-13.8	10.9	17.6	2.50	2.50	0.00
2,800.0	7.10	141.60	2,799.2	-14.4	11.4	18.3	0.00	0.00	0.00
2,825.0	7.10	141.60	2,824.0	-16.8	13.3	21.4	0.00	0.00	0.00
<b>Green River</b>									
2,900.0	7.10	141.60	2,898.5	-24.0	19.1	30.7	0.00	0.00	0.00
3,000.0	7.10	141.60	2,997.7	-33.7	26.7	43.0	0.00	0.00	0.00
3,100.0	7.10	141.60	3,096.9	-43.4	34.4	55.4	0.00	0.00	0.00
3,200.0	7.10	141.60	3,196.2	-53.1	42.1	67.8	0.00	0.00	0.00
3,300.0	7.10	141.60	3,295.4	-62.8	49.8	80.1	0.00	0.00	0.00
3,400.0	7.10	141.60	3,394.6	-72.5	57.5	92.5	0.00	0.00	0.00
3,485.0	7.10	141.60	3,479.0	-80.7	64.0	103.0	0.00	0.00	0.00
<b>Mahogany</b>									
3,500.0	7.10	141.60	3,493.9	-82.2	65.1	104.9	0.00	0.00	0.00
3,600.0	7.10	141.60	3,593.1	-91.9	72.8	117.2	0.00	0.00	0.00
3,700.0	7.10	141.60	3,692.3	-101.6	80.5	129.6	0.00	0.00	0.00
3,800.0	7.10	141.60	3,791.6	-111.2	88.2	142.0	0.00	0.00	0.00
3,900.0	7.10	141.60	3,890.8	-120.9	95.9	154.3	0.00	0.00	0.00
4,000.0	7.10	141.60	3,990.0	-130.6	103.5	166.7	0.00	0.00	0.00
4,100.0	7.10	141.60	4,089.3	-140.3	111.2	179.0	0.00	0.00	0.00
4,200.0	7.10	141.60	4,188.5	-150.0	118.9	191.4	0.00	0.00	0.00
4,300.0	7.10	141.60	4,287.7	-159.7	126.6	203.8	0.00	0.00	0.00
4,400.0	7.10	141.60	4,387.0	-169.4	134.3	216.1	0.00	0.00	0.00
4,500.0	7.10	141.60	4,486.2	-179.1	141.9	228.5	0.00	0.00	0.00
4,600.0	7.10	141.60	4,585.4	-188.8	149.6	240.9	0.00	0.00	0.00
4,700.0	7.10	141.60	4,684.6	-198.5	157.3	253.2	0.00	0.00	0.00

## Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well 1-10D-45 BTR
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 5958.0ft (Original Well Elev)
<b>Project:</b>	DUCHESNE COUNTY, UT (NAD 27)	<b>MD Reference:</b>	KB @ 5958.0ft (Original Well Elev)
<b>Site:</b>	1-10D-45 BTR	<b>North Reference:</b>	True
<b>Well:</b>	1-10D-45 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	1-10D-45 BTR		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,800.0	7.10	141.60	4,783.9	-208.1	165.0	265.6	0.00	0.00	0.00
4,900.0	7.10	141.60	4,883.1	-217.8	172.7	278.0	0.00	0.00	0.00
4,912.0	7.10	141.60	4,895.0	-219.0	173.6	279.4	0.00	0.00	0.00
<b>TGR3</b>									
5,000.0	7.10	141.60	4,982.3	-227.5	180.3	290.3	0.00	0.00	0.00
5,100.0	7.10	141.60	5,081.6	-237.2	188.0	302.7	0.00	0.00	0.00
5,200.0	7.10	141.60	5,180.8	-246.9	195.7	315.0	0.00	0.00	0.00
5,300.0	7.10	141.60	5,280.0	-256.6	203.4	327.4	0.00	0.00	0.00
5,400.0	7.10	141.60	5,379.3	-266.3	211.0	339.8	0.00	0.00	0.00
5,500.0	7.10	141.60	5,478.5	-276.0	218.7	352.1	0.00	0.00	0.00
5,600.0	7.10	141.60	5,577.7	-285.7	226.4	364.5	0.00	0.00	0.00
5,700.0	7.10	141.60	5,677.0	-295.3	234.1	376.9	0.00	0.00	0.00
5,800.0	7.10	141.60	5,776.2	-305.0	241.8	389.2	0.00	0.00	0.00
5,802.8	7.10	141.60	5,779.0	-305.3	242.0	389.6	0.00	0.00	0.00
<b>Douglas Creek</b>									
5,900.0	7.10	141.60	5,875.4	-314.7	249.4	401.6	0.00	0.00	0.00
5,945.5	7.10	141.60	5,920.6	-319.1	252.9	407.2	0.00	0.00	0.00
6,000.0	5.74	141.60	5,974.8	-323.9	256.7	413.3	2.50	-2.50	0.00
6,100.0	3.24	141.60	6,074.4	-330.1	261.6	421.1	2.50	-2.50	0.00
6,200.0	0.74	141.60	6,174.4	-332.8	263.7	424.6	2.50	-2.50	0.00
6,229.6	0.00	0.00	6,204.0	-332.9	263.9	424.8	2.50	-2.50	0.00
<b>3PT MKR - 1-10D-45 3PT MKR</b>									
6,300.0	0.00	0.00	6,274.4	-332.9	263.9	424.8	0.00	0.00	0.00
6,400.0	0.00	0.00	6,374.4	-332.9	263.9	424.8	0.00	0.00	0.00
6,500.0	0.00	0.00	6,474.4	-332.9	263.9	424.8	0.00	0.00	0.00
6,600.0	0.00	0.00	6,574.4	-332.9	263.9	424.8	0.00	0.00	0.00
6,699.6	0.00	0.00	6,674.0	-332.9	263.9	424.8	0.00	0.00	0.00
<b>Black Shale Facies</b>									
6,700.0	0.00	0.00	6,674.4	-332.9	263.9	424.8	0.00	0.00	0.00
6,800.0	0.00	0.00	6,774.4	-332.9	263.9	424.8	0.00	0.00	0.00
6,869.6	0.00	0.00	6,844.0	-332.9	263.9	424.8	0.00	0.00	0.00
<b>Castle Peak</b>									
6,900.0	0.00	0.00	6,874.4	-332.9	263.9	424.8	0.00	0.00	0.00
7,000.0	0.00	0.00	6,974.4	-332.9	263.9	424.8	0.00	0.00	0.00
7,100.0	0.00	0.00	7,074.4	-332.9	263.9	424.8	0.00	0.00	0.00
7,179.6	0.00	0.00	7,154.0	-332.9	263.9	424.8	0.00	0.00	0.00
<b>Uteland Butte</b>									
7,200.0	0.00	0.00	7,174.4	-332.9	263.9	424.8	0.00	0.00	0.00
7,229.6	0.00	0.00	7,204.0	-332.9	263.9	424.8	0.00	0.00	0.00
<b>CR 1</b>									
7,300.0	0.00	0.00	7,274.4	-332.9	263.9	424.8	0.00	0.00	0.00
7,400.0	0.00	0.00	7,374.4	-332.9	263.9	424.8	0.00	0.00	0.00
7,404.6	0.00	0.00	7,379.0	-332.9	263.9	424.8	0.00	0.00	0.00
<b>Wasatch</b>									
7,500.0	0.00	0.00	7,474.4	-332.9	263.9	424.8	0.00	0.00	0.00
7,554.6	0.00	0.00	7,529.0	-332.9	263.9	424.8	0.00	0.00	0.00
<b>CR 2</b>									
7,600.0	0.00	0.00	7,574.4	-332.9	263.9	424.8	0.00	0.00	0.00
7,700.0	0.00	0.00	7,674.4	-332.9	263.9	424.8	0.00	0.00	0.00
7,800.0	0.00	0.00	7,774.4	-332.9	263.9	424.8	0.00	0.00	0.00
7,829.6	0.00	0.00	7,804.0	-332.9	263.9	424.8	0.00	0.00	0.00
<b>CR 3</b>									
7,900.0	0.00	0.00	7,874.4	-332.9	263.9	424.8	0.00	0.00	0.00



## Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well 1-10D-45 BTR
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 5958.0ft (Original Well Elev)
<b>Project:</b>	DUCHESNE COUNTY, UT (NAD 27)	<b>MD Reference:</b>	KB @ 5958.0ft (Original Well Elev)
<b>Site:</b>	1-10D-45 BTR	<b>North Reference:</b>	True
<b>Well:</b>	1-10D-45 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	1-10D-45 BTR		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,000.0	0.00	0.00	7,974.4	-332.9	263.9	424.8	0.00	0.00	0.00
8,100.0	0.00	0.00	8,074.4	-332.9	263.9	424.8	0.00	0.00	0.00
8,159.6	0.00	0.00	8,134.0	-332.9	263.9	424.8	0.00	0.00	0.00
<b>CR 4</b>									
8,200.0	0.00	0.00	8,174.4	-332.9	263.9	424.8	0.00	0.00	0.00
8,300.0	0.00	0.00	8,274.4	-332.9	263.9	424.8	0.00	0.00	0.00
8,400.0	0.00	0.00	8,374.4	-332.9	263.9	424.8	0.00	0.00	0.00
8,404.6	0.00	0.00	8,379.0	-332.9	263.9	424.8	0.00	0.00	0.00
<b>CR 4A</b>									
8,500.0	0.00	0.00	8,474.4	-332.9	263.9	424.8	0.00	0.00	0.00
8,569.6	0.00	0.00	8,544.0	-332.9	263.9	424.8	0.00	0.00	0.00
<b>CR 5</b>									
8,600.0	0.00	0.00	8,574.4	-332.9	263.9	424.8	0.00	0.00	0.00
8,700.0	0.00	0.00	8,674.4	-332.9	263.9	424.8	0.00	0.00	0.00
8,719.6	0.00	0.00	8,694.0	-332.9	263.9	424.8	0.00	0.00	0.00
<b>CR 6</b>									
8,800.0	0.00	0.00	8,774.4	-332.9	263.9	424.8	0.00	0.00	0.00
8,900.0	0.00	0.00	8,874.4	-332.9	263.9	424.8	0.00	0.00	0.00
9,000.0	0.00	0.00	8,974.4	-332.9	263.9	424.8	0.00	0.00	0.00
9,049.6	0.00	0.00	9,024.0	-332.9	263.9	424.8	0.00	0.00	0.00
<b>CR 7</b>									
9,100.0	0.00	0.00	9,074.4	-332.9	263.9	424.8	0.00	0.00	0.00
9,200.0	0.00	0.00	9,174.4	-332.9	263.9	424.8	0.00	0.00	0.00
9,300.0	0.00	0.00	9,274.4	-332.9	263.9	424.8	0.00	0.00	0.00
9,400.0	0.00	0.00	9,374.4	-332.9	263.9	424.8	0.00	0.00	0.00
9,500.0	0.00	0.00	9,474.4	-332.9	263.9	424.8	0.00	0.00	0.00
9,549.6	0.00	0.00	9,524.0	-332.9	263.9	424.8	0.00	0.00	0.00
<b>TD - 1-10D-45 PBHL</b>									

**Bill Barrett Corp**

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well 1-10D-45 BTR
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 5958.0ft (Original Well Elev)
<b>Project:</b>	DUCHESNE COUNTY, UT (NAD 27)	<b>MD Reference:</b>	KB @ 5958.0ft (Original Well Elev)
<b>Site:</b>	1-10D-45 BTR	<b>North Reference:</b>	True
<b>Well:</b>	1-10D-45 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	1-10D-45 BTR		
<b>Design:</b>	Design #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,825.0	2,824.0	Green River		0.00		
3,485.0	3,479.0	Mahogany		0.00		
4,912.0	4,895.0	TGR3		0.00		
5,802.8	5,779.0	Douglas Creek		0.00		
6,229.6	6,204.0	3PT MKR		0.00		
6,699.6	6,674.0	Black Shale Facies		0.00		
6,869.6	6,844.0	Castle Peak		0.00		
7,179.6	7,154.0	Uteland Butte		0.00		
7,229.6	7,204.0	CR 1		0.00		
7,404.6	7,379.0	Wasatch		0.00		
7,554.6	7,529.0	CR 2		0.00		
7,829.6	7,804.0	CR 3		0.00		
8,159.6	8,134.0	CR 4		0.00		
8,404.6	8,379.0	CR 4A		0.00		
8,569.6	8,544.0	CR 5		0.00		
8,719.6	8,694.0	CR 6		0.00		
9,049.6	9,024.0	CR 7		0.00		
9,549.6	9,524.0	TD		0.00		

**SURFACE USE PLAN**

**BILL BARRETT CORPORATION**  
**1-10D-45 BTR & 1H-11-45 BTR Well Pad**  
**Duchesne County, Utah**

<b><u>1-10D-45 BTR Well Pad</u></b>	<b><u>1H-11-45 BTR Well Pad</u></b>
NE NE, 476' FNL & 1074' FEL, Sec. 10, T4S-R5W (surface hole) NE NE, 810' FNL & 810' FEL, Sec. 10, T4S-R5W (bottom hole)	NE NE, 477' FNL & 1058' FEL, Sec. 10, T4S-R5W (surface hole) NE NE, 810' FNL & 700' FEL, Sec. 11, T4S-R5W (bottom hole)

The onsite inspection for this pad occurred on October 14, 2011. This is a new pad with a total of two proposed wells. Plat changes requested at the onsite are reflected within this APD and summarized below.

- a) Round corner eight 12 feet;
- b) Move topsoil from corners 1 & 2 to corner C area;

The excavation contractor would be provided with an approved copy of the surface use plan of operations before initiating construction.

1. **Existing Roads:**

- a. The proposed well pad is located approximately 4.5 miles southwest of Duchesne, Utah. Maps and directions reflecting the route to the proposed well pad are included (see Topographic maps A and B).
- b. The existing State Highway 40 would be utilized from Duchesne for 2.2 miles to the existing BBC maintained 8-10-45 BTR access road that would be utilized for 1.6 miles and provides access to the planned new access road.
- c. Project roads would require routine year-round maintenance to provide year-round access. Maintenance would include inspections, reduction of ruts and holes, maintenance to keep water off the road, replacement of surfacing materials, and clearing of sediment blocking ditches and culverts. Should snow removal become necessary, roads would be cleared with a motor grader and snow would be stored along the down gradient side to prohibit runoff onto the road. Aggregate would be used as necessary to maintain a solid running surface and minimize dust generation.
- d. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.
- e. The use of roads under State and Duchesne County Road Department maintenance are necessary to access the project area with no improvements proposed. No encroachment or pipeline crossing permits are required.

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- f. All existing roads would be maintained and kept in good repair during all phases of operation.

2. Planned Access Road:

- a. Approximately 3,820 feet of new access road trending northeast is planned from the existing 8-10-45 BTR access road (see Topographic Map B). The access road crosses entirely Ute Tribe surface.
- b. The planned access road would be constructed to a 30-foot ROW width with an 18-foot travel surface. See section 12.d. below for disturbance estimates.
- c. New road construction and improvements of existing roads would typically require the use of motor graders, crawler tractors, 10-yard end dump trucks, and water trucks. The standard methodology for building new roads involves the use of a crawler tractor or track hoe to windrow the vegetation to one side of the road corridor, remove topsoil to the opposing side of the corridor, and rough-in the roadway. This is followed by a grader or bulldozer to establish barrow ditches and crown the road surface. Where culverts are required, a track hoe or backhoe would trench the road and install the culverts. Some hand labor would be required when installing and armoring culverts. Road base or gravel in some instances would be necessary and would be hauled in and a grader used to smooth the running surface.
- d. The proposed road would be constructed to facilitate drainage, control erosion and minimize visual impacts by following natural contours where practical. No unnecessary side-casting of material would occur on steep slopes.
- e. A maximum grade of 10% would be maintained throughout the project with minimum cuts and fills, as necessary, to access the pad.
- f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private or State of Utah lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.
- g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.
- h. Turnouts are not proposed.

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- i. No culverts or low-water crossings are anticipated. Adequate drainage structures, where necessary, would be incorporated into the remainder of the road to prevent soil erosion and accommodate all-weather traffic.
- j. No gates or cattle guards are anticipated at this time.
- k. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.
- l. All access roads and surface disturbing activities would conform to the appropriate standard, **no higher than necessary**, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – Revised 2007.
- m. The operator would be responsible for all maintenance needs of the new access road.

3. Location of Existing Wells (see One-Mile Radius Map):

- a. Following is a list of wells with surface hole locations within a one-mile radius of the proposed pad:
  - i. water wells none
  - ii. injection wells none
  - iii. disposal wells none
  - iv. drilling wells none
  - v. temp shut-in wells none
  - vi. producing wells three
  - vii. abandoned wells three

4. Location of Production Facilities

- a. Surface facilities would consist of a wellhead, separator, gas meter, combustor, (1) 500 gal methanol tank, (1) 500 glycol tank, (3) 500 bbl oil tanks, (1) 500 bbl water tank, (1) 500 bbl test tank, (1) 1000 gal propane tank, a pumping unit or Roto-flex unit or ESP or gas lift unit, electrical or with a natural gas or diesel fired motor, solar panels, solar chemical and methanol pumps and one trace pump. See attached proposed facility diagram.
- b. Most wells would be fitted with a pump jack or Roto-flex unit or ESP or gas lift to assist liquid production. The prime mover for pump jacks or Roto-flex units would be small (100 horsepower or less), electric motor or natural gas or diesel fired internal combustion engines. If a gas lift is installed, it would be set on a 10 ft x 25 ft pad and the prime mover would be a natural gas-fired internal combustion engine rated at 200 horsepower or less or an electric compressor of similar horsepower powered by electricity.

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- c. The tank battery would be surrounded by a secondary containment berm of sufficient capacity to contain 1.1 times the entire capacity of the largest single tank and sufficient freeboard to contain precipitation. All loading lines and valves would be placed inside the berm surrounding the tank battery or would utilize catchment basins to contain spills. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil.
- d. Gas meter run(s) would be constructed and located on lease within 500 feet of the wellheads. Meter runs would be housed and/or fenced. As practicably feasible, meters would be equipped with remote telemetry monitoring systems. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- e. A combustor may be installed at this location for control of associated condensate tank emissions. A combustor ranges from 24 inches to 48 inches wide and is approximately 27 ft tall. Combustor placement would be on existing disturbance.
- f. Approximately 3,880 feet of pipeline corridor (see Topographic Map C) containing up to three lines (one gas pipeline up to 8 inch in diameter, one water line up to 4 inch in diameter and one residue line up to 4 inch in diameter) is proposed trending southwest to the existing 8-10-45 BTR pipeline corridor. Pipelines would be constructed of steel, polyethylene or fiberglass and would connect to the proposed pipeline servicing nearby BBC wells. The pipeline crosses entirely Ute Tribe surface.
- g. The new segment of gas pipeline would be surface laid within a 30 foot wide pipeline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.
- h. Construction of the ROW would temporarily utilize the 30 foot disturbed width for the road for a total disturbed width of 60 foot for the road and pipeline corridors. The use of the proposed well pad and access roads would facilitate the staging of the pipeline construction.
- i. Pipeline construction methods and practices would be planned and conducted by BBC with the objective of enhancing reclamation and fostering the re-establishment of the native plant community.
- j. All permanent above-ground structures would be painted a flat, non-reflective Beetle Green color, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.

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- k. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to. Any modifications to proposed facilities would be reflected in the site security diagram submitted.
- l. The pad would require periodic maintenance to ensure that drainages are kept open and free of debris, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

5. Location and Type of Water Supply:

- a. Water for the drilling and completion would be trucked from any of the following locations:

Water Right No. and Application or Change No.	Applicant	Allocation	Date	Point of Diversion	Source
43-180	Duchesne City Water Service District	5 cfs	8/13/2004	Knight Diversion Dam	Duchesne River
43-1202, Change a13837	Myton City	5.49 cfr and 3967 acre feet	3/21/1986	Knight Diversion Dam	Duchesne River
43-10444, Appln A57477	Duchesne County Upper Country Water	2 cfs	1994	Ditch at Source	Cow Canyon Spring
43-10446, Appln F57432	Duchesne County Upper Country Water	1.58 cfs	1994	Ditch at Source	Cow Canyon Spring
43-1273, Appln A17462	J.J.N.P. Company	7 cfs	1946	Strawberry River	Strawberry River
43-1273, Appln t36590	J.J.N.P. Company	4 cfs	6/03/2010	Strawberry River	Strawberry River

- b. No new water well is proposed with this application.
- c. Should additional water sources be pursued they would be properly permitted through the State of Utah – Division of Water Rights.
- d. Water use would vary in accordance with the formations to be drilled but would be up to approximately 5.41 acre feet for drilling and completion operations for each well.

6. Source of Construction Material:

- a. The use of materials would conform to 43 CFR 3610.2-3.
- b. No construction materials would be removed from the lease or EDA area.

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- c. If any additional gravel is required, it would be obtained from a local supplier having a permitted source of materials within the general area.

7. Methods of Handling Waste Disposal:

- a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.
- b. The reserve pit would be constructed so as not to leak, break or allow any discharge.
- c. The reserve would be lined with 12 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the reserve pit at all times.
- d. To deter livestock from entering the pit, the three sides exterior to the location would be fenced before drilling starts. Following the conclusion of drilling and completion activities, the fourth side would also be fenced.
- e. Drill cuttings would be contained in the pit and buried on-site for a period not to exceed six months, weather permitting
- f. Produced fluids from the wells other than water would be decanted into steel test tank(s) until such time as construction of production facilities is completed. Any oil that may be accumulated would be transferred to a permanent production tank. Produced water may be used in further drilling and completion activities, evaporated in the pit, or would be hauled to one of the state-approved disposal facilities below:

<b>Disposal Facilities</b>
1. RNI Industries, Inc. – Pleasant Valley Disposal Pits, Sec. 25, 26, 35 & 36, T4S-R3W
2. Pro Water LLC – Blue Bench 13-1 Disposal Well (43-013-30971) NENE, Sec. 13, T3S-R5W
3. RN Industries, Inc. – Bluebell Disposal Ponds, Sec. 2, 4 & 9, T2S-R2W
4. Water Disposal, Inc. – Harmston 1-32-A1 Disposal Well (43-013-30224), UTR #00707, Sec. 32, T1S-R1W
5. Unified Water Pits – Sec. 31, T2S-R4W
6. Iowa Tank Line Pits – 8500 BLM Fence Road, Pleasant Valley

- g. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.



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- h. Any spills of oil, condensate, produced or frac water, drilling fluids, or other potentially deleterious substances would be recovered and either returned to its origin or disposed of at an approved disposal site, most likely in Duchesne, Utah.
- i. Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) may be used or stored in quantities over reportable quantities. In the course of drilling, BBC could potentially store and use diesel fuel, sand (silica), hydrochloric acid, and CO<sub>2</sub> gas, all described as hazardous substances in 40 CFR Part 302, Section 302.4, in quantities exceeding 10,000 pounds. In addition, natural gas condensate and crude oil and methanol may be stored or used in reportable quantities. Small quantities of retail products (paint/spray paints, solvents {e.g., WD-40}, and lubrication oil) containing non-reportable volumes of hazardous substances may be stored and used on site at any time. No extremely hazardous substances, as defined in 40 CFR 355, would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.
- j. Portable toilets and trash containers would be located onsite during drilling and completion operations. A commercial supplier would install and maintain portable toilets and equipment and would be responsible for removing sanitary waste. Sanitary waste facilities (i.e. toilet holding tanks) would be regularly pumped and their contents disposed of at approved sewage disposal facilities in Duchesne, and/or Uintah Counties, in accordance with applicable rules and regulations regarding sewage treatment and disposal. Accumulated trash and nonflammable waste materials would be hauled to an approved landfill once a week or as often as necessary. All debris and waste materials not contained in the trash containers would be cleaned up, removed from the construction ROW, well pad, or worker housing location, and disposed of at an approved landfill. Trash would be cleaned up everyday.
- k. Sanitary waste equipment and trash bins would be removed from the Project Area upon completion of access road or pipeline construction; following drilling and completion operations at an individual well pad; when worker housing is no longer needed; or as required.
- l. A flare pit may be constructed a minimum of 110 feet from the wellhead(s) and may be used during completion work. In the event a flare pit proves to be unworkable, a temporary flare stack or open top tank would be installed. BBC would flow back as much fluid and gas as possible into pressurized vessels, separating the fluids from the gas. In some instances, due to the completion fluids utilized within the Project Area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels is feasible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.

Bill Barrett Corporation  
Surface Use Plan  
#1-10D-45 BTR & #1H-11-45 BTR Well Pad  
Duchesne County, UT

- m. Hydrocarbons would be removed from the reserve pit would as soon as practical. In the event immediate removal is not practical, the reserve pit would be flagged overhead or covered with wire or plastic mesh to protect migrating birds.

8. Ancillary Facilities:

- a. Garbage containers and portable toilets would be located on the well pad.
- b. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. The well pad could include up to five single wide mobile homes or fifth wheel campers/trailers.
- c. A surface powerline corridor 3,820 feet in length is proposed for installation by third-party installer within a 150 foot wide powerline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.

9. Well Pad Layout:

- a. Each well would be properly identified in accordance with 43 CFR 3162.6.
- b. The pad layout, cross section diagrams and rig layout are enclosed (see Figures 1 and 2).
- c. The pad and road designs are consistent with industry specifications.
- d. The pad has been staked at its maximum size of 384 feet x 255 feet with an inboard reserve pit size of 235 feet x 70 feet x 8 feet deep. See section 12.d below for disturbance estimates.
- e. Within the approved well pad location, a crawler tractor would strip whatever topsoil is present and stockpile it along the edge of the well pad for use during reclamation. Vegetation would be distributed along the sides of the well pad.
- f. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.
- g. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings would be employed by BBC as necessary and appropriate to minimize erosion and surface runoff during well pad construction and operation. Cut and fill slopes would be constructed such that stability would be maintained for the life of the activity.
- h. All cut and fill slopes would be such that stability can be maintained for the life of the activity.

Bill Barrett Corporation  
Surface Use Plan  
#1-10D-45 BTR & #1H-11-45 BTR Well Pad  
Duchesne County, UT

- i. Diversion ditches would be constructed, if necessary, around the well pad to prevent surface waters from entering the well pad area.
- j. Water application may be implemented if necessary to minimize the amount of fugitive dust.
- k. All surface disturbing activities would be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.

10. Plan for Restoration of the Surface:

- a. A site specific reclamation plan would be submitted, if requested, within 90 days of location construction to the surface managing agency.
- b. Pad reclamation would be accomplished for portions of the well pad not required for the continued operation of the well on this pad within six months of completion, weather permitting.
- c. The operator would control noxious weeds along access road use authorizations and well pad by spraying or mechanical removal, according to the Utah Noxious Weed Act and as set forth in the approved surface damage agreements.
- d. Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. The reserve pit would be allowed to dry prior to the commencement of backfilling work. No attempts would be made to backfill the reserve pit until it is free of standing water. Once dry, the liner would be torn and perforated before backfilling.
- e. The reserve pit and that portion of the location not needed for production facilities/operations would be recontoured to the approximate natural contours. Areas not used for production purposes would be backfilled and blended into the surrounding terrain, reseeded and erosion control measures installed. Mulching, erosion control measures and fertilization may be required to achieve acceptable stabilization. Back slopes and fore slopes would be reduced as practical and scarified with the contour. The reserved topsoil would be evenly distributed over the slopes and scarified along the contour. Slopes would be seeded with the Ute Tribe specified seed mix.
- f. Topsoil salvaged from the drill pad and stored for more than one year would be placed at the location indicated on the well pad layout drawing and graded to a depth optimum to maintain topsoil viability, seeded with the Ute Tribe prescribed seed mixture and covered with mulch for protection from wind and water erosion and to discourage the invasion of weeds.

Bill Barrett Corporation  
Surface Use Plan  
#1-10D-45 BTR & #1H-11-45 BTR Well Pad  
Duchesne County, UT

11. Surface and Mineral Ownership:

- a. Surface & mineral ownership – Ute Indian Tribe - 988 South 7500 East; Ft. Duchesne, Utah 84026; 435-725-4982.

12. Other Information:

- a. Montgomery Archeological Consultants has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies as MOAC Report No. 10-256 dated May 24, 2011.
- b. BBC would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.

- c. Project personnel and contractors would be educated on and subject to the following requirements:

- No dogs or firearms within the Project Area.
- No littering within the Project Area.
- Smoking within the Project Area would only be allowed in off-operator active locations or in specifically designated smoking areas. All cigarette butts would be placed in appropriate containers and not thrown on the ground or out windows of vehicles; personnel and contractors would abide by all fire restriction orders.
- Campfires or uncontained fires of any kind would be prohibited.
- Portable generators used in the Project Area would have spark arrestors.

- d. Disturbance estimates:

**Approximate Acreage Disturbances**

Well Pad		3.151	acres
Access	3820 feet	2.631	acres
Pipeline	3880 feet	2.672	acres
Powerline	3820 feet	13.009	acres
<b>Total</b>		<b>21.463</b>	<b>acres</b>

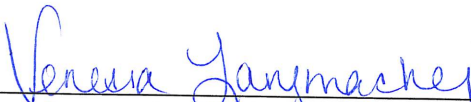
Bill Barrett Corporation  
Surface Use Plan  
#1-10D-45 BTR & #1H-11-45 BTR Well Pad  
Duchesne County, UT

OPERATOR CERTIFICATION

Certification:

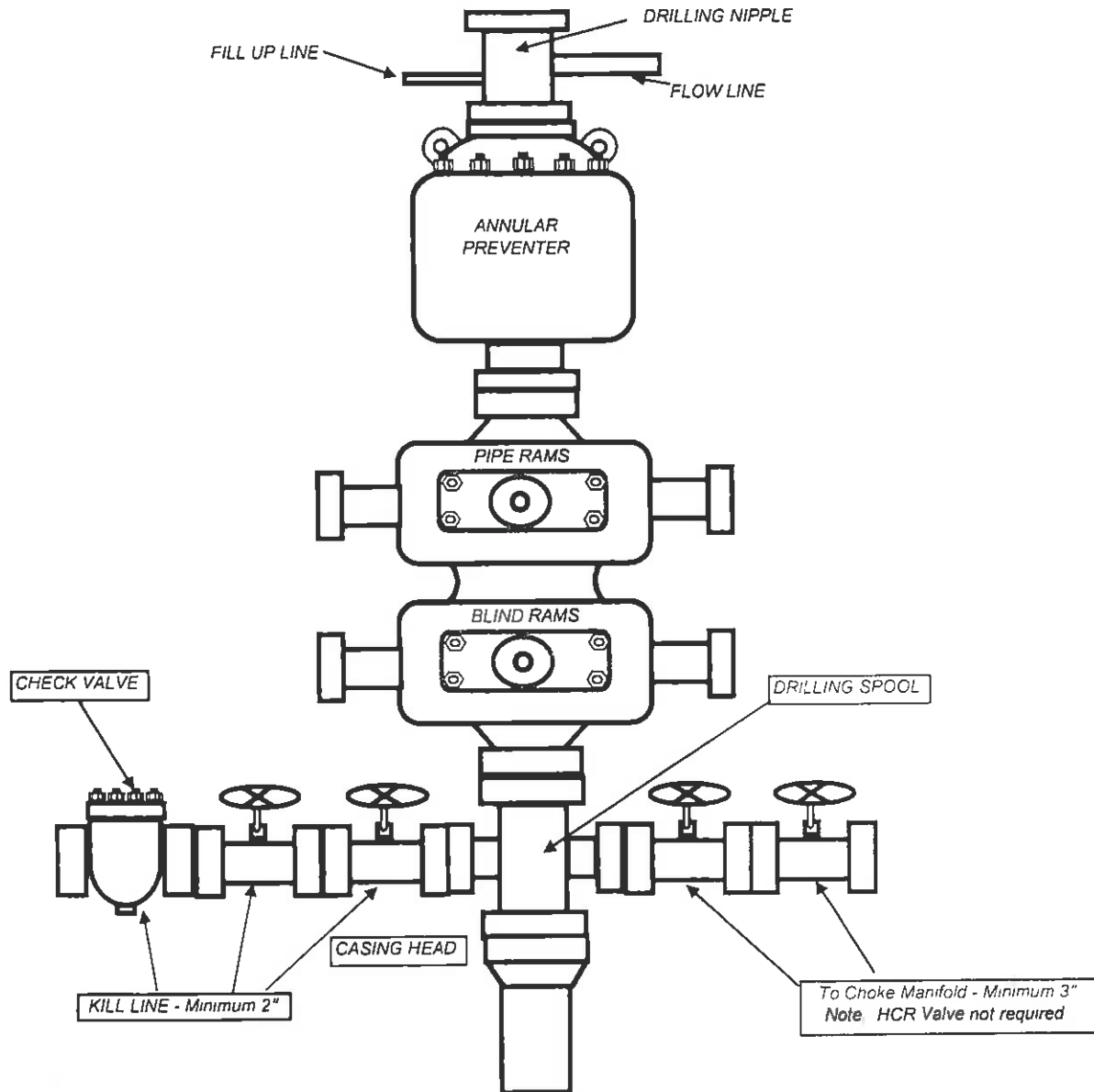
I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein would be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application and that bond coverage is provided under Bill Barrett Corporations federal nationwide bond. These statements are subject to the provisions of 18 U.S.C. 1001 for the filings of false statements.

Executed this	<u>15<sup>th</sup></u> day of <u>November</u> 2011
Name:	Venessa Langmacher
Position Title:	Senior Permit Analyst
Address:	1099 18 <sup>th</sup> Street, Suite 2300, Denver, CO 80202
Telephone:	303-312-8172
E-mail:	vlangmacher@billbarrettcorp.com
Field Representative	Kary Eldredge / Bill Barrett Corporation
Address:	1820 W. Highway 40, Roosevelt, UT 84066
Telephone:	435-725-3515 (office); 435-724-6789 (mobile)
E-mail:	keldredge@billbarrettcorp.com

  
\_\_\_\_\_  
Venessa Langmacher, Senior Permit Analyst

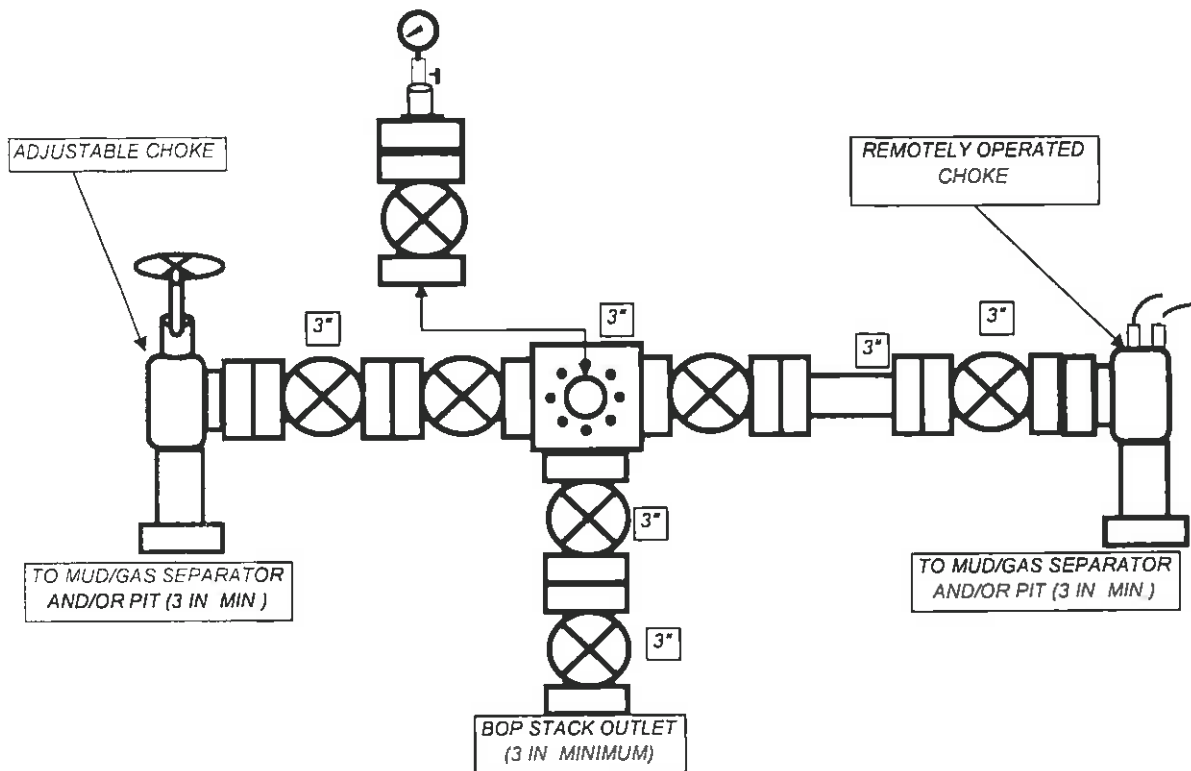
## BILL BARRETT CORPORATION

### TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER



## BILL BARRETT CORPORATION

### TYPICAL 5,000 p.s.i. CHOKE MANIFOLD







**Bill Barrett Corporation**

November 15, 2011

Ms. Diana Mason – Petroleum Technician  
State of Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11  
**Blacktail Ridge Area #1-10D-45 BTR Well**  
Surface: 476' FNL & 1,074' FEL, NENE, 10-T4S-R5W, USM  
Bottom Hole: 810' FNL & 810' FEL, NENE, 10-T4S-R5W, USM  
Duchesne County, Utah

Dear Ms. Mason,

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill the above referenced well, we hereby submit this letter in accordance with Oil & Gas Conservation Rules R649-2, R649-3, R649-10 and R649-11, pertaining to the Location and Siting of Wells.

- The proposed location is within our Blacktail Ridge Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area.
- The well will be drilled under an Exploration and Development Agreement between the Ute Indian Tribe and Ute Distribution Corporation. Ute Energy, LLC owns a right to participate in this well.
- BBC has earned tribal lease #14-20-H62-6290 by drilling the #8-10-45 BTR well within the section.
- BBC certifies that it is the working interest owner of all lands within 460 feet of the proposed well location, and together with Ute Energy, LLC, we own 100% of the working interest in these lands.
- BBC certifies that Ute Energy LLC consents to Bill Barrett Corp drilling the subject well.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. Should you have any questions or need further information, please contact me at 303-312-8544.

Sincerely,

David Watts *for*  
Landman

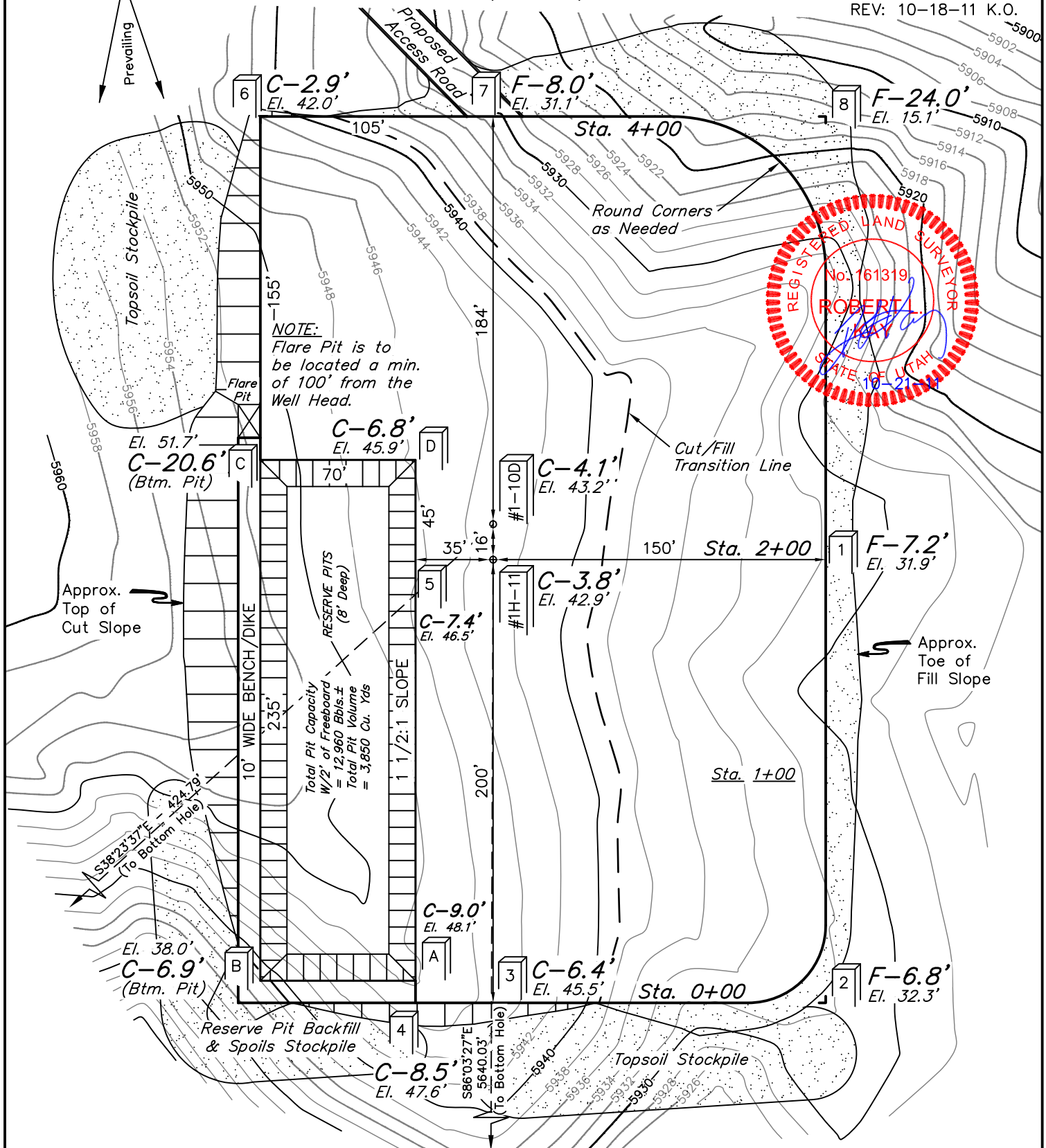
1099 18<sup>TH</sup> STREET  
SUITE 2300  
DENVER, CO 80202  
P 303.293.9100  
F 303.291.0420



**BILL BARRETT CORPORATION**  
**LOCATION LAYOUT FOR**  
**#1-10D-45 BTR & #1H-11-45 BTR**  
**SECTION 10, T4S, R5W, U.S.B.&M.**  
**NE 1/4 NE 1/4**

**FIGURE #1**

SCALE: 1" = 60'  
 DATE: 01-26-11  
 DRAWN BY: S.B.  
 REV: 05-05-11  
 REV: 08-04-11  
 REV: 10-18-11 K.O.



Elev. Ungraded Ground At #1H-11 Loc. Stake = 5942.9'  
 FINISHED GRADE ELEV. AT #1H-11 LOC. STAKE = 5939.1'

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**RECEIVED: November 15, 2011**

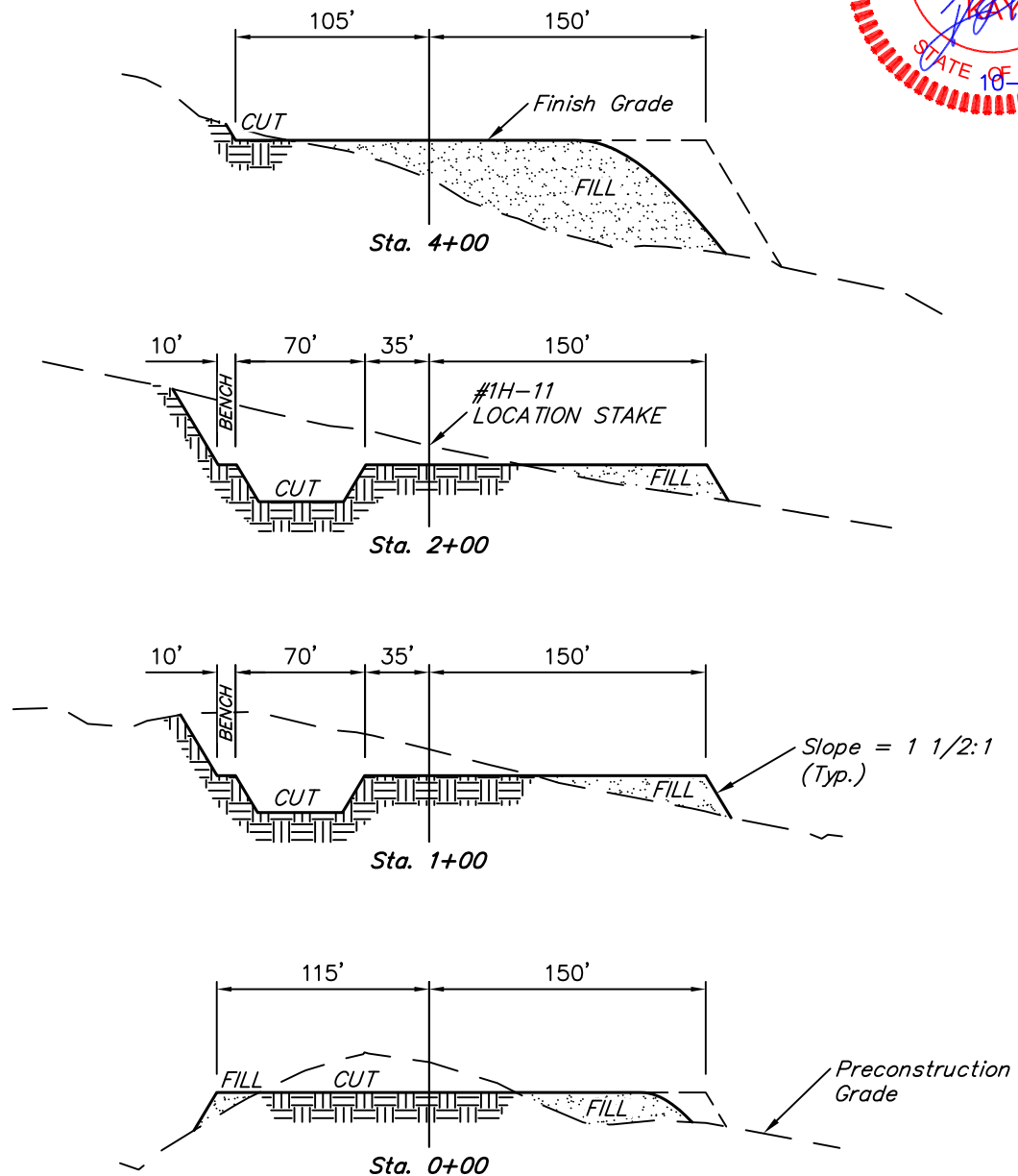
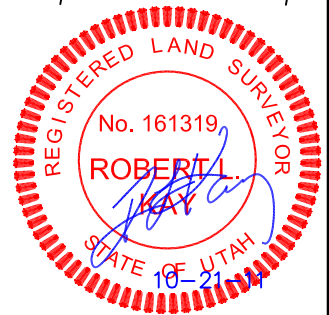
**BILL BARRETT CORPORATION****TYPICAL CROSS SECTION FOR**

**#1-10D-45 BTR & #1H-11-45 BTR**  
**SECTION 10, T4S, R5W, U.S.B.&M.**  
**NE 1/4 NE 1/4**

**FIGURE #2**

X-Section  
 Scale  
 1" = 40'  
 1" = 100'

DATE: 01-26-11  
 DRAWN BY: S.B.  
 REV: 08-04-11  
 REV: 10-18-11 K.O.

**NOTE:**

Topsoil should not be  
 Stripped Below Finished  
 Grade on Substructure Area.

**\* NOTE:**  
 FILL QUANTITY INCLUDES  
 5% FOR COMPACTION

**APPROXIMATE YARDAGES**

(12") Topsoil Stripping = 4,890 Cu. Yds.  
 Remaining Location = 17,620 Cu. Yds.  
**TOTAL CUT = 22,510 CU.YDS.**  
**FILL = 15,700 CU.YDS.**

EXCESS MATERIAL = 6,810 Cu. Yds.  
 Topsoil & Pit Backfill = 6,810 Cu. Yds.  
 (1/2 Pit Vol.)  
 EXCESS UNBALANCE = 0 Cu. Yds.  
 (After Interim Rehabilitation)

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

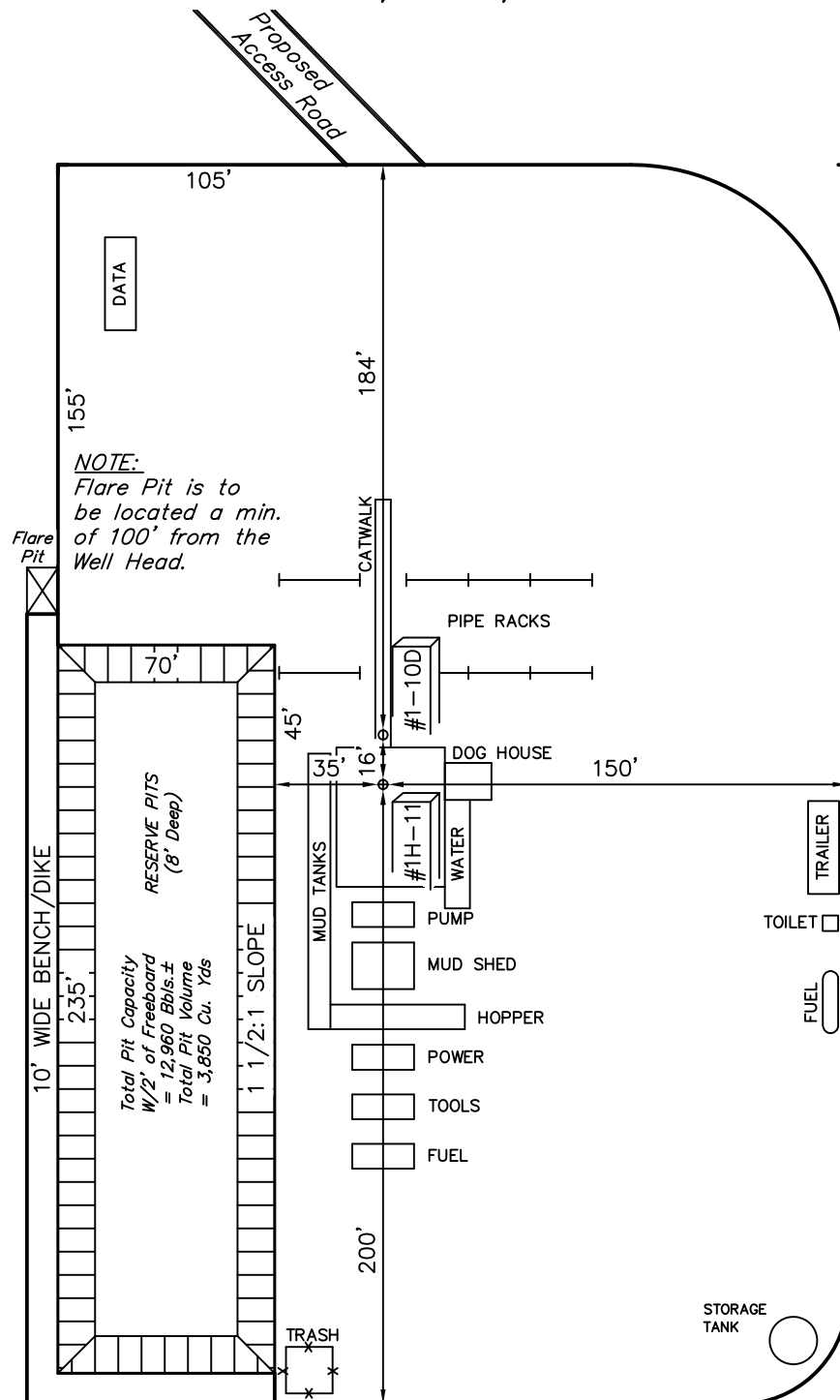
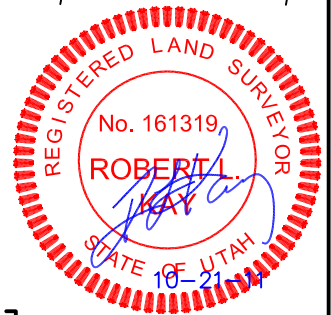
**RECEIVED: November 15, 2011**

**BILL BARRETT CORPORATION****TYPICAL RIG LAYOUT FOR**

#1-10D-45 BTR & #1H-11-45 BTR  
SECTION 10, T4S, R5W, U.S.B.&M.  
NE 1/4 NE 1/4

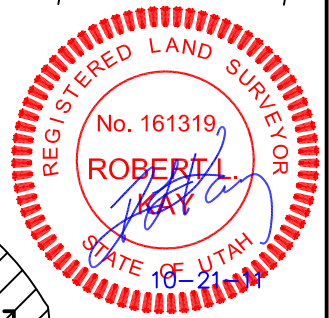
**FIGURE #3**

SCALE: 1" = 60'  
DATE: 01-26-11  
DRAWN BY: S.B.  
REV: 08-04-11  
REV: 10-18-11 K.O.

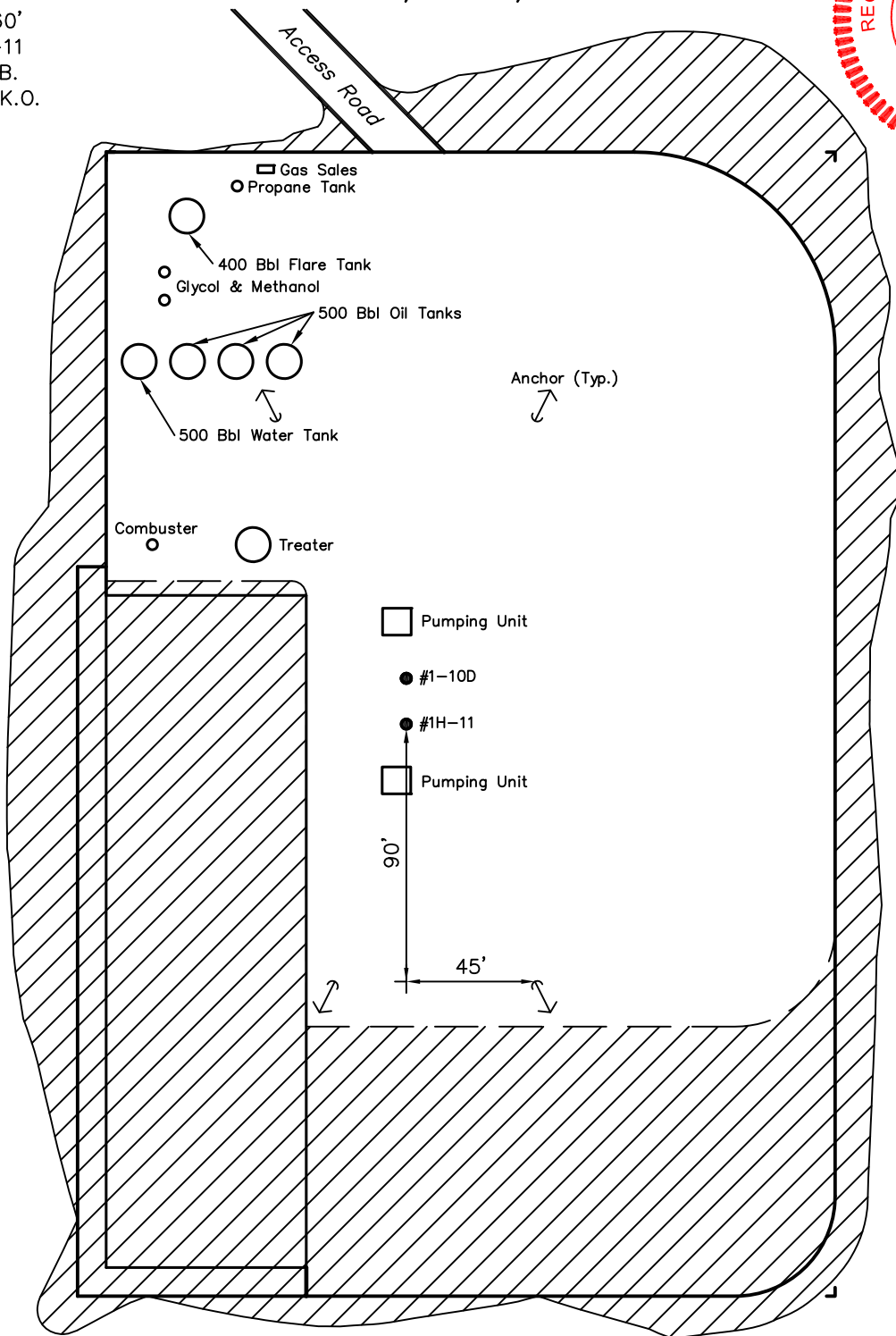


**BILL BARRETT CORPORATION**  
**INTERIM RECLAMATION PLAN FOR**  
**#1-10D-45 BTR & #1H-11-45 BTR**  
**SECTION 10, T4S, R5W, U.S.B.&M.**  
**NE 1/4 NE 1/4**

**FIGURE #4**



SCALE: 1" = 60'  
 DATE: 08-04-11  
 DRAWN BY: S.B.  
 REV: 10-18-11 K.O.



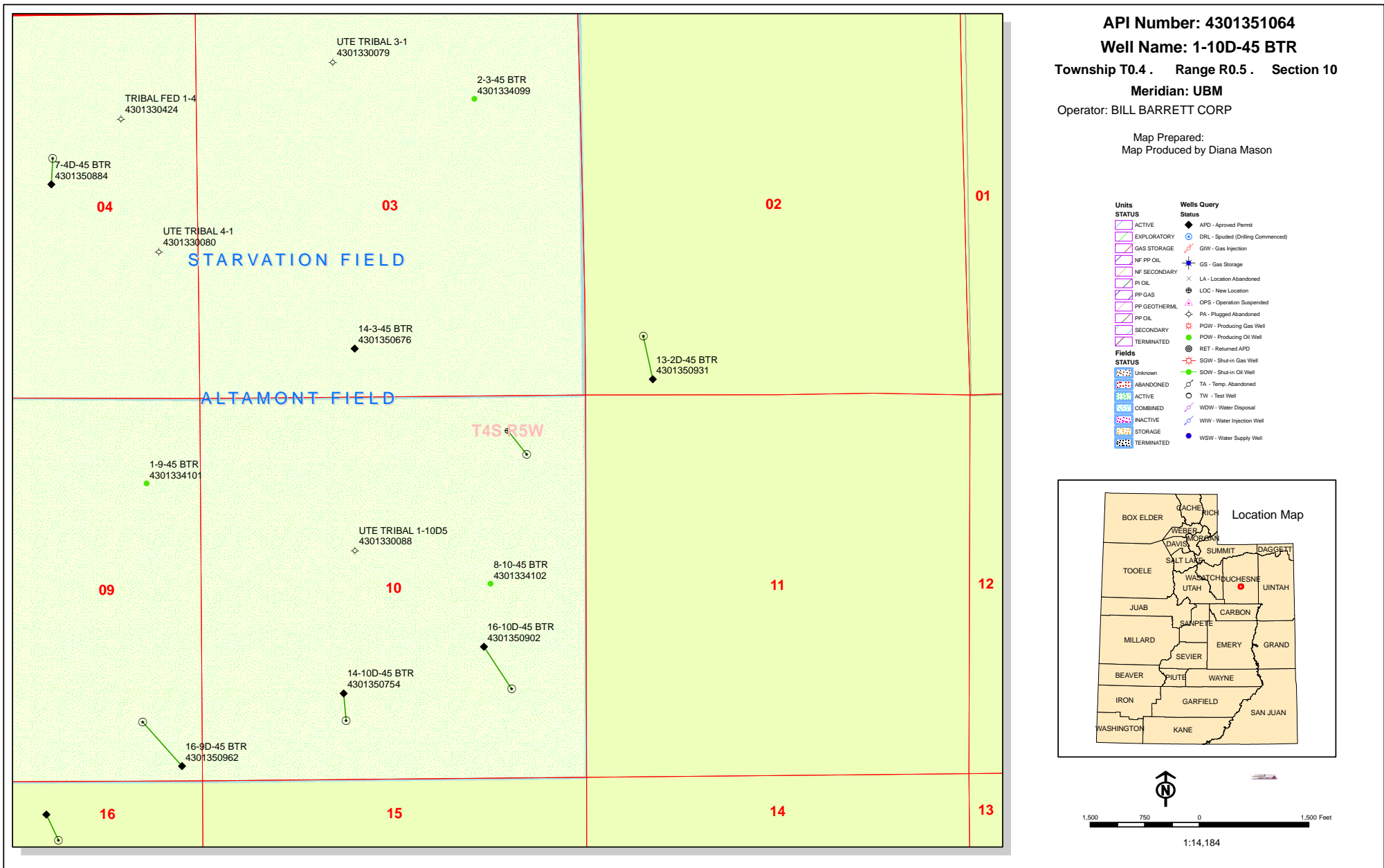
 INTERIM RECLAMATION

**APPROXIMATE ACREAGES**  
 UN-RECLAIMED =  $\pm 1.520$  ACRES

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**RECEIVED: November 15, 2011**





## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 11/15/2011**API NO. ASSIGNED:** 43013510640000**WELL NAME:** 1-10D-45 BTR**OPERATOR:** BILL BARRETT CORP (N2165)**PHONE NUMBER:** 303 312-8172**CONTACT:** Venessa Langmacher**PROPOSED LOCATION:** NENE 10 040S 050W**Permit Tech Review:** ☒**SURFACE:** 0476 FNL 1074 FEL**Engineering Review:** ☐**BOTTOM:** 0810 FNL 0810 FEL**Geology Review:** ☒**COUNTY:** DUCHESNE**LATITUDE:** 40.15346**LONGITUDE:** -110.43069**UTM SURF EASTINGS:** 548488.00**NORTHINGS:** 4444945.00**FIELD NAME:** ALTAMONT**LEASE TYPE:** 2 - Indian**LEASE NUMBER:** 1420H626290**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER-WASATCH**SURFACE OWNER:** 2 - Indian**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**☒ **PLAT**☒ **Bond:** INDIAN - LPM8874725☐ **Potash**☐ **Oil Shale 190-5**☐ **Oil Shale 190-3**☐ **Oil Shale 190-13**☒ **Water Permit:** 43-180☐ **RDCC Review:**☐ **Fee Surface Agreement**☐ **Intent to Commingle****Commingle Approved****LOCATION AND SITING:**☐ **R649-2-3.****Unit:**☐ **R649-3-2. General**☐ **R649-3-3. Exception**☒ **Drilling Unit****Board Cause No:** Cause 139-85**Effective Date:** 3/11/2010**Siting:** 4 Prod LGRRV-WSTC Wells in Drl Unit☒ **R649-3-11. Directional Drill****Comments:** Presite Completed**Stipulations:** 4 - Federal Approval - dmason  
15 - Directional - dmason**RECEIVED: November 22, 2011**



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** 1-10D-45 BTR  
**API Well Number:** 43013510640000  
**Lease Number:** 1420H626290  
**Surface Owner:** INDIAN  
**Approval Date:** 11/22/2011

**Issued to:**

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-85. The expected producing formation or pool is the GREEN RIVER-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**General:**

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**Conditions of Approval:**

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

**Approved By:**

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers  
Associate Director, Oil & Gas



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
NOV 16 2011

FORM APPROVED  
OMB No. 1004-0136  
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 1420H626290
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator BILL BARRETT CORPORATION Contact: VENESSA LANGMACHER E-Mail: vlangmacher@billbarrettcorp.com		7. If Unit or CA Agreement, Name and No.
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202		8. Lease Name and Well No. 1-10D-45 BTR
3b. Phone No. (include area code) Ph: 303-312-8172 Fx: 303-291-0420		9. API Well No. 43-013-51064
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NENE 476FNL 1074FEL 40.153522 N Lat, 110.430744 W Lon At proposed prod. zone NENE 810FNL 810FEL 40.152608 N Lat, 110.429800 W Lon		10. Field and Pool, or Exploratory ALTAMONT
14. Distance in miles and direction from nearest town or post office* 4.5 MILES WEST OF DUCHESNE, UT		11. Sec., T., R., M., or Blk. and Survey or Area Sec 10 T4S R5W Mer UBM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 810' (BOTTOM HOLE)	16. No. of Acres in Lease 640.00	12. County or Parish DUCHESNE
17. Spacing Unit dedicated to this well 640.00	13. State UT	
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1874'	19. Proposed Depth 9550 MD 9524 TVD	20. BLM/BIA Bond No. on file LPM8874725
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5943 GL	22. Approximate date work will start 06/01/2012	23. Estimated duration 60 DAYS (D&C)

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) VENESSA LANGMACHER Ph: 303-312-8172	Date 11/15/2011
Title SENIOR PERMIT ANALYST		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date JUN 11 2012
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

RECEIVED

Electronic Submission #123302 verified by the BLM Well Information System  
For BILL BARRETT CORPORATION, serial #123302  
Committed to AFMSS for processing by LESLIE ROBERTSON 11/21/2011 ()

JUN 19 2012

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

11/SS/08/11/AS

NRK 9/7/2011



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Bill Barrett Corporation  
Well No: 1-10D-45 BTR  
API No: 43-013-51064

Location: NENE, Sec. 10, T4S, R5W  
Lease No: 14-20-H62-6290  
Agreement: N/A

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:blm_ut_vn_opreport@blm.gov">blm_ut_vn_opreport@blm.gov</a> .
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**Additional Stipulations:**

- Production Equipment will be painted Beetle Green to help blend into the surrounding vegetation.
- All construction of the road and pipeline must stay within the approved area within the ROW application and approval by the Ute Tribe.
- On the 10-5-45 BTR location, Bill Barrett Corp. will install 3 culverts, one 24-inch diameter and two 36-inch culverts (as shown on the TOPO "B" well plat in the application for permit to drill).
- On the 1-10D-45 BTR well location, Bill Barrett Corp. will pull in well pad corner #6 by at least 6feet to reduce fill on that side on the pad. Also the topsoil on this pad will be moved from corners #2 and #3 to near pit corner #C to minimize amount of unconsolidated topsoil on the steeper slopes.
- See Exhibit One of the approved EA U&O-FY12-Q2-071 for additional mitigation measures that must be followed for the proposed road and pipeline. There are also site specific COAs of concern towards the back of that document that must be adhered to.

**General Conditions of Approval:**

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipelines.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- Bill Barrett Corporation will implement a "Safety and Emergency Plan." The Company's safety director will ensure its compliance.

- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, COA's, and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- The personnel from the Ute Tribe Energy & Minerals Department should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.



**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- A CBL shall be run from TD to TOC on the production casing.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to BLM\_UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at [www.ONRR.gov](http://www.ONRR.gov).
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626290			
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Uintah			
		<b>7. UNIT or CA AGREEMENT NAME:</b>			
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> 1-10D-45 BTR			
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43013510640000			
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0476 FNL 1074 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 10 Township: 04.0S Range: 05.0W Meridian: U		<b>COUNTY:</b> DUCHESNE			
		<b>STATE:</b> UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/1/2013  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input checked="" type="checkbox"/> <b>APD EXTENSION</b>          OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> <b>APD EXTENSION</b> OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. BBC hereby requests a one year extension of the subject APD.					
<p style="color: red; margin: 0;"> <b>Approved by the              Utah Division of              Oil, Gas and Mining</b> </p> <p style="color: red; margin: 0;"> <b>Date:</b> November 21, 2012         </p> <p style="color: red; margin: 0;"> <b>By:</b> </p>					
<b>NAME (PLEASE PRINT)</b> Venessa Langmacher		<b>PHONE NUMBER</b> 303 312-8172			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Senior Permit Analyst			
		<b>DATE</b> 11/19/2012			



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Request for Permit Extension Validation Well Number 43013510640000**

**API:** 43013510640000

**Well Name:** 1-10D-45 BTR

**Location:** 0476 FNL 1074 FEL QTR NENE SEC 10 TWP 040S RNG 050W MER U

**Company Permit Issued to:** BILL BARRETT CORP

**Date Original Permit Issued:** 11/22/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Signature:** Venessa Langmacher

**Date:** 11/19/2012

**Title:** Senior Permit Analyst **Representing:** BILL BARRETT CORP

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>																														
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<div style="text-align: right;"> <b>Accepted by the</b>  <b>Utah Division of</b>  <b>Oil, Gas and Mining</b>   <b>Date:</b> March 05, 2013  <b>By:</b> <u>Derek Quist</u> </div>																																
<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst																														
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/1/2013																															

## **BILL BARRETT CORPORATION**

### **DRILLING PLAN**

#### **1-10D-45 BTR**

NE NE, 476' FNL and 1074' FEL, Section 10, T4S-R5W, USB&M (surface hole)

NE NE, 810' FNL and 810' FEL, Section 10, T4S-R5W, USB&M (bottom hole)

Duchesne County, Utah

#### **1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals**

<b><u>Formation</u></b>	<b><u>Depth – MD</u></b>	<b><u>Depth - TVD</u></b>
Green River	2,825'	2,824'
Mahogany	3,485'	3,479'
Lower Green River*	4,912'	4,895'
Douglas Creek	5,802'	5,779'
Black Shale	6,699'	6,674'
Castle Peak	6,869'	6,844'
Uteland Butte	7,179'	7,154'
Wasatch*	7,404'	7,379'
TD	9,550'	9,524'

\*PROSPECTIVE PAY

The Wasatch and the Lower Green River are primary objectives for oil/gas.

#### **3. BOP and Pressure Containment Data**

<b><u>Depth Intervals</u></b>	<b><u>BOP Equipment</u></b>
0 – 2,600'	No pressure control required
2,600' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

#### **4. Casing Program**

<b><u>Hole Size</u></b>	<b><u>SETTING DEPTH</u></b>		<b><u>Casing Size</u></b>	<b><u>Casing Weight</u></b>	<b><u>Casing Grade</u></b>	<b><u>Thread</u></b>	<b><u>Condition</u></b>
	<b><u>(FROM)</u></b>	<b><u>(TO)</u></b>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	2,600'	9 5/8"	36#	J or K 55	ST&C	New
8 3/4"	Surface	TD	5 1/2"	17#	P-110	LT&C	New



Bill Barrett Corporation  
Drilling Program  
1-10D-45 BTR  
Duchesne County, Utah

## 5. Cementing Program

16" Conductor Casing	Grout
9 5/8" Surface Casing	Lead: 380 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft <sup>3</sup> /sx) circulated to surface with 75% excess. TOC @ Surface Tail: 210 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft <sup>3</sup> /sx), calculated hole volume with 75% excess. TOC @ 2,100'
5 1/2" Production Casing	Lead: 680 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft <sup>3</sup> /sx). TOC @ 2,100' Tail: 900 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft <sup>3</sup> /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 6,199'

## 6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u> <u>(API filtrate)</u>	<u>Remarks</u>
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 2,600'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
2,600' – TD	8.6 – 9.6	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

## 7. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

## 8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4754 psi\* and maximum anticipated surface pressure equals approximately 2659 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

\*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

\*\*Maximum surface pressure = A – (0.22 x TD)

Bill Barrett Corporation  
Drilling Program  
1-10D-45 BTR  
Duchesne County, Utah

**9. Auxiliary Equipment**

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
  - b) Inside BOP or stab-in valve (available on rig floor)
  - c) Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

**10. Location and Type of Water Supply**

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W water right number 43-180.

**11. Drilling Schedule**

Location Construction: March 2013  
Spud: March 2013  
Duration: 15 days drilling time  
45 days completion time



# Bill Barrett Corporation

## LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

**Well Name:** 1-10D-45 BTR

### Surface Hole Data:

Total Depth:	2,600'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

### Calculated Data:

Lead Volume:	1151.0	ft <sup>3</sup>
Lead Fill:	2,100'	
Tail Volume:	274.0	ft <sup>3</sup>
Tail Fill:	500'	

### Cement Data:

Lead Yield:	3.16	ft <sup>3</sup> /sk
% Excess:	75%	
Top of Lead:	0'	

### Calculated # of Sacks:

# SK's Lead:	380
--------------	-----

Tail Yield:	1.36	ft <sup>3</sup> /sk
% Excess:	75%	
Top of Tail:	2,100'	

# SK's Tail:	210
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### Production Hole Data:

Total Depth:	9,550'
Top of Cement:	2,100'
Top of Tail:	6,199'
OD of Hole:	8.750"
OD of Casing:	5.500"

### Calculated Data:

Lead Volume:	1553.1	ft <sup>3</sup>
Lead Fill:	4,099'	
Tail Volume:	1269.8	ft <sup>3</sup>
Tail Fill:	3,351'	

### Cement Data:

Lead Yield:	2.31	ft <sup>3</sup> /sk
Tail Yield:	1.42	ft <sup>3</sup> /sk
% Excess:	50%	

### Calculated # of Sacks:

# SK's Lead:	680
# SK's Tail:	900

<b>1-10D-45 BTR Proposed Cementing Program</b>
--

<u>Job Recommendation</u>	<u>Surface Casing</u>
<b>Lead Cement - (2100' - 0')</b>	
Halliburton Light Premium	Fluid Weight: 11.0 lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield: 3.16 ft <sup>3</sup> /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid: 19.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid: 0'
2.0% Bentonite	Calculated Fill: 2,100'
	Volume: 204.98 bbl
	<b>Proposed Sacks: 380 sks</b>
<b>Tail Cement - (TD - 2100')</b>	
Premium Cement	Fluid Weight: 14.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.36 ft <sup>3</sup> /sk
	Total Mixing Fluid: 6.37 Gal/sk
	Top of Fluid: 2,100'
	Calculated Fill: 500'
	Volume: 48.80 bbl
	<b>Proposed Sacks: 210 sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>
<b>Lead Cement - (6199' - 2100')</b>	
Tuned Light™ System	Fluid Weight: 11.0 lbm/gal
	Slurry Yield: 2.31 ft <sup>3</sup> /sk
	Total Mixing Fluid: 10.65 Gal/sk
	Top of Fluid: 2,100'
	Calculated Fill: 4,099'
	Volume: 276.59 bbl
	<b>Proposed Sacks: 680 sks</b>
<b>Tail Cement - (9550' - 6199')</b>	
Econocem™ System	Fluid Weight: 13.5 lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield: 1.42 ft <sup>3</sup> /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid: 6.61 Gal/sk
	Top of Fluid: 6,199'
	Calculated Fill: 3,351'
	Volume: 226.14 bbl
	<b>Proposed Sacks: 900 sks</b>



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626290
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Uintah
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>8. WELL NAME and NUMBER:</b> 1-10D-45 BTR
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43013510640000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0476 FNL 1074 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 10 Township: 04.0S Range: 05.0W Meridian: U		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: <b>3/22/2013</b>	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well was spud on 3/22/2013 at 2:30 pm by Triple A Drilling Rig #TA 4037, Type Soilmecc SR/30. Continuous drilling is planned for 5/12/2013.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 March 26, 2013

<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 3/26/2013

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

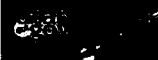
TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/1/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

March 2013 well spud

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 April 05, 2013

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 4/5/2013



caroldaniels@utah.gov

Mail

More

2 of 188

COMPOSE

RIG MOVE

Inbox x

People (6)

Inbox (25)

Starred

Important

Sent Mail

Drafts (1)

Cabinet

Follow up

Misc

Notes

Priority

More

SST17

5:10 AM (1 hour ago)

SST17

sst17@billbarrettcorp.com

ON SST 17 FOR BILL BARRETT CORP WE WILL BE MOVING FROM THE 7-16-47 BTR TO THE  
1-10D-45 BTR API#43-013-51064 STARTING @ 0700 HRS 4/3/13 PLEASE CALL WITH ANY  
QUESTIONS OR CONCERNS

Show details

4S 5W 10

Click here to Reply, Reply to all, or Forward

Search people...

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- Don Staley
- alexishuefner
- Diana Mason
- Anadarko - Xtrem...
- barbara\_nicol
- Brady Riley Inv...
- Rig - SST 54 (...)
- RLANDRIG008
- Rodrigo Jurado ...
- Venessa Lang...

RECEIVED  
APR 02 2013  
DIV. OF OIL, GAS & MINING

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# SST RIG 17  
Submitted By CECIL E. CROW Phone Number 281-833-2424  
Well Name/Number 1-10<sup>2</sup>45 BTR  
Qtr/Qtr NE/NE Section 10 Township 4S Range 5W  
Lease Serial Number 1420H626290  
API Number 43013510640000

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 4/8/13 00:00 AM ☒ PM ☐

BOPE

- ☒ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

RECEIVED

APR 01 2013

DIV. OF OIL, GAS & MINING

Date/Time 4/8/13 4:00 AM ☐ PM ☒

Remarks WE ARE SCHEDULED TO RUN SURFACE CASING &  
CEMENT IMMEDIATELY AFTER RUNNING CASING/EST BOPE  
TESTING TIME IS 16:00 HOURS ON 4/8/13.



BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# SST RIG 17  
Submitted By CECIL E. CROW Phone Number 281-833-2424  
Well Name/Number 1-10-45 BTR  
Qtr/Qtr NE/NE Section 10 Township 4S Range 5W  
Lease Serial Number 1420H626290  
API Number 43013510640000

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Date/Time \_\_\_\_\_ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☒ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 4/14/13 08:00 AM ☒ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

RECEIVED

APR 13 2013

DIV. OF OIL, GAS & MINING

Date/Time 0/0/0 0:00 AM ☐ PM ☐

Remarks WE ARE SCHEDULED TO RUN PROD CSG & CMT 08:00  
4/14/13

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43013510640000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0476 FNL 1074 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 10 Township: 04.0S Range: 05.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/30/2013			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is the April 2013 Drilling Activity for this well.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 May 03, 2013

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 5/3/2013

**1-10D-45 BTR 4/2/2013 12:00 - 4/3/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
12:00	6.00	18:00	1	RIGUP & TEARDOWN	RIG DOWN MUD TANKS, RIG FLOOR, PUMPS - REMOVE TOPDRIVE & TRACK - PREP TO LOWER DERRICK - LOWER DERRICK - REMOVE WINDWALLS - R/D GAS BUSTER - MOVE 400 BBLs UPRIGHTS, PIPE TUBS, BIT HOUSE, CEMENT SILOS, BULK BAR TANK, CAT WALK, V-DOOR & CHOKE HOUSE - R/D ELECTRICAL
18:00	12.00	06:00	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT

**1-10D-45 BTR 4/3/2013 06:00 - 4/4/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	14.00	20:00	1	RIGUP & TEARDOWN	RD/MIRU/MOVE CAMPS, GEN SETS, MUD PITS, MUD PUMPS, PRE-MIX, SCR HOUS, GEN SETS, TOP DOG HOUSE, KOOMEY HOUSE, WATER TANK, BTM DOG HOUSE, SEA CAN, BIT HOUSE, GAS BUSTER, CHOKE HOUSE, SUBSTRUCTURE/ SET, CAMPS, MATS & RAILS, MUD PITS, PRE-MIX, MUD PUMPS, BOILER, GEN SETS, WATER TANK
20:00	10.00	06:00	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT

**1-10D-45 BTR 4/4/2013 06:00 - 4/5/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP & TEARDOWN	RIG UP SUBSTRUTURE, DERRICK, MUD TANKS, CHANGE OUT AIR COMPRESSOR, ELECTRICAL, STEAM LINES, WATER LINES, RAISE DERRICK, RU FLOOR
18:00	12.00	06:00	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT

**1-10D-45 BTR 4/5/2013 06:00 - 4/6/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.50	14:30	1	RIGUP & TEARDOWN	RU, TOP DRIVE & TRAK, GAS BUSTER, CHOKE HOUSE, WATER LINES, STEAM HEATERS, BACK WIND WALL, SLIP & CUT DRLG LINE, CHANGE OUT BREAK OUT LINE, CHANGE OUT GRABBER DIES/START DAY WORK @ 14:30 4/5/13
14:30	6.00	20:30	21	OPEN	INSTALL CONDUCTOR PIPE, 3" TO PITS OFF GAS BUSTER, MIX MUD, STRAP BHA, BUILD KELLY STAND
20:30	2.50	23:00	20	DIRECTIONAL WORK	PU & MU BIT & DIR. TOOLS, SCRIBE & ORIENTATE
23:00	6.50	05:30	2	DRILL ACTUAL	DRILL ACTUAL/ 98'-335'/ WOB 10K-15K/PUMP #1 90 / PUMP #2 0/ ROT RPM 40/ BIT RPM 61/ ROP 36.46
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE/ADJUST TOP DRIVE TRAK

**1-10D-45 BTR 4/6/2013 06:00 - 4/7/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	2	DRILL ACTUAL	DRILL ACTUAL/ 335'-486'/ WOB 18K-22K/PUMP #1 90 / PUMP #2 90/ ROT RPM 40/ BIT RPM 119/ ROP 75.5
08:00	1.50	09:30	21	OPEN	CHANGE OUT ROTATING HEAD RUBBERS FROM 6" RUBBER TO 4-1/2"
09:30	3.50	13:00	2	DRILL ACTUAL	DRILL ACTUAL/ 486'-1,007'/ WOB 18K-22K/PUMP #1 90 / PUMP #2 90/ ROT RPM 40/ BIT RPM 119/ ROP 148.85
13:00	0.50	13:30	7	LUBRICATE RIG	RIG SERVICE
13:30	16.50	06:00	2	DRILL ACTUAL	DRILL ACTUAL/ 1,007'-2,298'/ WOB 18K-22K/PUMP #1 90 / PUMP #2 90/ ROT RPM 40/ BIT RPM 97/ ROP 78.24

**1-10D-45 BTR 4/7/2013 06:00 - 4/8/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	2	DRILL ACTUAL	DRILL ACTUAL/ 2,298'-2,631'/ WOB 18K-22K/PUMP #1 90 / PUMP #2 90/ ROT RPM 40/ BIT RPM 97/ ROP 83.25
10:00	3.50	13:30	6	TRIPS	WIPER TRIP TO 6" D.C./HOL;E WENT ON VACUM @ 1,580' ON W.T.O.O.H./SPOT 40% LCM SWEEP/W.T.I.H. SPOT 40% LCM SWEEPS @ 1,000' & 1,600'
13:30	2.00	15:30	5	COND MUD & CIRC	BUILD VOL & BRING MUD UP TO 20% L.C.M. IN PITS/RE-ESTABLISHED RETURNS/CIRC BTMS UP
15:30	2.00	17:30	6	TRIPS	TOOH T/8" D.C.
17:30	2.50	20:00	20	DIRECTIONAL WORK	LD 8" DIR. TOOL & D.C.
20:00	6.00	02:00	12	RUN CASING & CEMENT	R/U CASING CREW/HELD SAFETY MEETING/RUN 2,634.77' 62 JTS 9-5/8" 36# J-55 ST&C Rng3 SURFACE CASING/BRK CIRC @ 662', 1,562', & 2,631'/ SHOE @ 2,631'/RD CASING CREW
02:00	4.00	06:00	12	RUN CASING & CEMENT	RU HALLIBURTON/HELD SAFETY MEETING/TEST LINES @ 5,000 PSI PUMP 20 BBL H2O SPACER/40BBLs SUPER FLUSH/ 20 BBL H2O SPACER/LEAD CMT 420 SKS 236.0 BBLs 1,325.09 CU/FT 11.0PPG 3.16 YEILD 19.48 GAL/SK/TAI CMT 240 SKS 56.8 BBLs 318.92 CU/FT 14.8PPG 1.33 YEILD 6.31 GAL/SK DISPLACE 200.3 BBLs DISPLACEMENT H2O FLUID, FINAL LIFT 400PSI, BUMP PLUG @ 828PSI, FLOATS HELD. LOST RETURNS @ 58BBLs IN DIS./GOT RETURNS 104BBLs IN DIS/LOST RETURNS 150BBLs IN DIS/LOST 96BBLs TOTAL

**1-10D-45 BTR 4/8/2013 06:00 - 4/9/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	13	WAIT ON CEMENT	WOC
08:00	1.00	09:00	12	RUN CASING & CEMENT	1ST TOP JOB: PUMP 125SKS 26BBLs 146 CU/FT 15.8PPG 1.17 YD 5.02 GAL/SK W/2% CACL/ CMT TO SURFACE
09:00	2.00	11:00	13	WAIT ON CEMENT	WOC/CEMENT FELL 49'/RU FOR 2ND TOP JOB
11:00	0.50	11:30	12	RUN CASING & CEMENT	2nd TOP JOB: PUMP 40 SKS 8.33BBLs 46.8 CU/FT 15.8PPG 1.17 YD 5.06 GAL/SK W/2% CACL/ CMT TO SURFACE./CMT HOLDING
11:30	1.50	13:00	13	WAIT ON CEMENT	CMT HOLDING/RD HALLIBURTON & 13-5/8" ROTATING HEAD
13:00	4.50	17:30	14	NIPPLE UP B.O.P	CUT CASING/AND PREP TO WELD ON WELL HEAD/WELD ON WELL HEAD & PRESSURE TEST
17:30	1.50	19:00	14	NIPPLE UP B.O.P	NU BOPE
19:00	4.50	23:30	15	TEST B.O.P	TIW, LOWER KELLY, INSIDE BOP, KILL INSIDE CHECK, INNER & OUTER CHOKE MANIFOLD VALVES, PIPE RAMS, BLIND RAMS, HCR VALVE, INSIDE KILL ALL TESTED 5000 PSI 10-MIN/250-5-MIN/ MANUAL CHOKE & POWER CHOKE @ 500 PSI 5-MIN/ CASING@1500 PSI 30-MIN/ ANN: 2500 PSI 10 MIN/250PSI 5-MIN/ ELITE BOP TESTING/BILL KARP TESTER
23:30	0.50	00:00	21	OPEN	INSTALL WEAR BUSHING
00:00	1.50	01:30	20	DIRECTIONAL WORK	PU & MU BIT, MUD MTR, & DIR. TOOLS/SCRIBE & ORIENTATE
01:30	2.00	03:30	6	TRIPS	TIH W/ BIT #2
03:30	1.00	04:30	3	REAMING	DRILL CMT & FLOAT EQUIPMENT/F.C.@2,586'/F.S.@2,631'
04:30	0.50	05:00	2	DRILL ACTUAL	DRILL ACTUAL/ 2,631'-2,650'/ WOB 18K-22K/PUMP #1 60 / PUMP #2 60/ ROT RPM 40/ BIT RPM 72/ ROP 38.0
05:00	0.50	05:30	21	OPEN	EMW TEST TO 10.5PPG/193PSI W/NO PSI LOSS
05:30	0.50	06:00	2	DRILL ACTUAL	DRILL ACTUAL/ 2,650'-2,728'/ WOB 18K-22K/PUMP #1 70 / PUMP #2 70/ ROT RPM 40/ BIT RPM 80/ ROP 156.0

**1-10D-45 BTR 4/9/2013 06:00 - 4/10/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	2	DRILL ACTUAL	DRILL ACTUAL/ 2,728'-3,013'/ WOB 18K-22K/PUMP #1 75 / PUMP #2 75/ ROT RPM 45/ BIT RPM 85/ ROP 114.0
08:30	0.50	09:00	7	LUBRICATE RIG	RIG SERVICE
09:00	21.00	06:00	2	DRILL ACTUAL	DRILL ACTUAL/ 3,013'-5,222'/ WOB 18K-22K/PUMP #1 80 / PUMP #2 80/ ROT RPM 45/ BIT RPM 85/ ROP 105.19

**1-10D-45 BTR 4/10/2013 06:00 - 4/11/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.00	11:00	2	DRILL ACTUAL	DRILL ACTUAL/ 5,222'-5,666'/ WOB 18K-22K/PUMP #1 80 / PUMP #2 80/ ROT RPM 45/ BIT RPM 85/ ROP 88.8
11:00	0.50	11:30	7	LUBRICATE RIG	RIG SERVICE
11:30	18.50	06:00	2	DRILL ACTUAL	DRILL ACTUAL/ 5,666'-6,740'/ WOB 18K-22K/PUMP #1 70 / PUMP #2 70/ ROT RPM 45/ BIT RPM 80/ ROP 58.05

**1-10D-45 BTR 4/11/2013 06:00 - 4/12/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	2	DRILL ACTUAL	DRILL ACTUAL/ 6,740'-6,995'/ WOB 18K-22K/PUMP #1 70 / PUMP #2 70/ ROT RPM 45/ BIT RPM 80/ ROP 127.5
08:00	0.50	08:30	7	LUBRICATE RIG	RIG SERVICE/CHANGE OUT ROT RUBBER
08:30	13.50	22:00	2	DRILL ACTUAL	DRILL ACTUAL/ 6,995'-7,755'/ WOB 18K-22K/PUMP #1 70 / PUMP #2 70/ ROT RPM 45/ BIT RPM 80/ ROP 56.29
22:00	8.00	06:00	5	COND MUD & CIRC	GAS @ 5,000 UNITS AND STAYING/VENT TO GAS BUSTER 20'-25' FLARE/BRING MUD WT UP TO 9.7+ IN OUT 9.2 FOR FULL CIRC 15-20' FLARE/PULL SCREENS & MIX LCM TO 10%/PUT ON GAS BUSTER BRING MUD WT UP TO 9.9+ IN OUT 8.9-9.1 FOR FULL CIRC 15'-20' FLARE/ BRING LCM UP TO 20%/VIS 47 WT 9.9+ IN VIS 48 WT 9.5 OUT

**1-10D-45 BTR 4/12/2013 06:00 - 4/13/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	14.50	20:30	5	COND MUD & CIRC	BRING WT UP 0.2PPG AND L.C.M. UP 5% PER ROUND/FROMM 9.9PPG TO 10.7PPG IN AND 10.6PPG OUT WITH 40% LCM IN AND 35% LCM OUT 7% OIL CONTENT
20:30	9.50	06:00	2	DRILL ACTUAL	DRILL ACTUAL/ 7,755'-8,095'/ WOB 18K-22K/PUMP #1 0 / PUMP #2 120/ ROT RPM 45/ BIT RPM 69/ ROP 35.78 DUMP 350BBLs MUD INTO RESERVE PIT OVER ONE CIRC/BRINGING OVER 300 BBLs FRESH MUD FROM PRE-MIX/BROUGHT OIL CONTENT DOWN TO 4% FROM 7%

**1-10D-45 BTR 4/13/2013 06:00 - 4/14/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.00	15:00	2	DRILL ACTUAL	DRILL ACTUAL/ 8,095'-8,514'/ WOB 18K-22K/PUMP #1 0 / PUMP #2 120/ ROT RPM 45/ BIT RPM 69/ ROP 46.55
15:00	0.50	15:30	7	LUBRICATE RIG	RIG SERVICE
15:30	7.50	23:00	2	DRILL ACTUAL	DRILL ACTUAL/ 8,514'-8,900'/ WOB 18K-22K/PUMP #1 0 / PUMP #2 120/ ROT RPM 45/ BIT RPM 69/ ROP 51.46
23:00	0.50	23:30	5	COND MUD & CIRC	CIRC BTMS UP
23:30	6.00	05:30	6	TRIPS	TOOH W/ BIT #2
05:30	0.50	06:00	20	DIRECTIONAL WORK	LD DIR. TOOLS

**1-10D-45 BTR 4/14/2013 06:00 - 4/15/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.50	13:30	6	TRIPS	CLEAN FLOOR/ PU & MU BIT & BIT SUB/TH W/CLEAN UP BIT/BRK CIRC @ 2,625, 5,093, & 7,567/WASH LAST 110' TO BTM
13:30	3.00	16:30	5	COND MUD & CIRC	CIRC SWEEPS TO SURFACE & CIRCULATE GAS DOWN UT OF WELLBORE
16:30	7.00	23:30	6	TRIPS	PUMP SLUG/TOOH TO 6,509'/SPOT PILL/LD 17-JTS/PUMP SLUG/TOOH W. CLEAN UP BIT
23:30	0.50	00:00	21	OPEN	PULL WEAR BUSHING
00:00	6.00	06:00	12	RUN CASING & CEMENT	RU CASING CREW/HELD SAFETY MEETING RUN 5-1/2" PROD CSG/BRK CIRC @ 1,143,2,232', & 3,551'



**1-10D-45 BTR 4/15/2013 06:00 - 4/16/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	12	RUN CASING & CEMENT	RUN 206 JTS 8,903.35' 5-1/2 P-110 17# 8RD LT&C 8RD Rng3 PRODUCTION CSG, SHOE @ 8,900'/RD CASING CREW
12:00	6.00	18:00	12	RUN CASING & CEMENT	RU HALLIBURTON/TEST LINES @ 5,000 PSI PUMP 10 BBL H2O SPACER/40BBLs SUPER FLUSH/ 10 BBL H2O SPACER/ 1,225 SKS 415.38 BBLs 2,332.28 CU/FT 11.7PPG 1.90 YEILD 8.40 GAL/SK/810 SKS 206.3BBLs 1,158.38 CU/FT 13.5PPG 1.42 YEILD 6.65 GAL/SK DISPLACE 205.67 BBLs DISPLACEMENT H2O W/BIOCIDE, FINAL LIFT 2,020 PSI, BUMP PLUG @ 2,370 PSI HELD 3-MIN.FLOATS HELD. GOT CMT RETURNS @ 5 BBLs INTO DISPLACEMENT. LOST RETURNS 145BBLs INTO DISPLACEMENT/LOST 60BBLs/NEVER REGAINED RETURNS/RD HALLIBURTON
18:00	2.00	20:00	14	NIPPLE UP B.O.P	ND BOP PU 195K SET SLIPS @ 190K 25K OVER ST. WT.
20:00	10.00	06:00	21	OPEN	CLEAN MUD TANKS & PRE-MIX/RD BOILER, BLOW DOWN WATER SYSTEM, GO THROUGH MUD PUMPS, SLIP 19 WRAPS ON DRUM, PREP-TO RIG DOWN TOP DRIVE/WAIT ON DAY LIGHT/RELEASE RIG @ 06:00 4/16/13.

**1-10D-45 BTR 4/22/2013 06:00 - 4/23/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI And Secured. Construction Crew Working On Facilities.
07:00	2.00	09:00	IWHD	Install Wellhead	Safety Meeting With Cameron, Check Surface Casing & 5.5" For Pressure, 0 Psi On Both Sides.N/D 11" Night Cap, Cleaned And Dressed Up 5.5" Csg Top, Set And N/U 11" x 7 1/16" 5k Tbg. Head With 2 1/16" x 5k Gate Valves. Tested Hanger Seals To 7100 Psi, Good Test. Secured Well Head With 7" 5K Night Cap.
09:00	21.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. Construction Crew Working On Facilities.

**1-10D-45 BTR 4/23/2013 06:00 - 4/24/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	LOCL	Lock Wellhead & Secure	WSI And Secured With NightCap. HES Logging Crew Arrive On Location, Hold Safety Meeting, Prep Logging Tool.
08:00	9.00	17:00	LOGG	Logging	P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 8,804', Drilling Report Shows FC At 8,862', 58' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 8,804', Run Repeat Section From 8,804 - 8,600', Log Up Hole. Showed Good Bond From TD To 1,770'. TOC 1,770'. Found Short Joints At 8,336 - 8,358', 7,582 - 7,604', And 6,861 - 6,884'. Ran With Pressure. Pooh, RD Equipment, MOL.
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626290
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Uintah
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 1-10D-45 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0476 FNL 1074 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 10 Township: 04.0S Range: 05.0W Meridian: U		<b>9. API NUMBER:</b> 43013510640000
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/15/2013	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  This well had first gas sales on 5/15/2013.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> May 28, 2013		
<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/16/2013	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626290
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Uintah
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> 1-10D-45 BTR
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43013510640000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0476 FNL 1074 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 10 Township: 04.0S Range: 05.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/31/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is the May 2013 Drilling Activity for this well.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 June 11, 2013

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 6/5/2013

**1-10D-45 BTR 5/6/2013 06:00 - 5/7/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Filling Frac Line. Rig Up FlowBack And SandTrap To FBT's.

**1-10D-45 BTR 5/8/2013 06:00 - 5/9/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Set Frac Mandrel, Test. Set Frac Tree. Test Casing. Plumb In FlowBack, Test.

**1-10D-45 BTR 5/12/2013 06:00 - 5/13/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	LOCL	Lock Wellhead & Secure	WSI And Secured. Wireline Crew Arrive On Location. Hold Safety Meeting. Rig Up Lubricator, Arm Gun.
08:30	1.00	09:30	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 4-23-2013. Found And Correlated To Short Joint At 8,336 - 8,358'. Drop Down To Depth, Perforate Stage 1 CR-5/CR-4A/CR-4 Zone, 8,348 - 8,620'. 51 Holes. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
09:30	4.50	14:00	SRIG	Rig Up/Down	HES Rigging Up
14:00	16.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.

**1-10D-45 BTR 5/13/2013 06:00 - 5/14/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. HES Arrive On Location. Prime Up Chemicals And HP. Run QA On Fluids. Pressure Test Iron To 9500#.
06:00	0.00	06:00	SMTG	Safety Meeting	Hold Safety Meeting. Talked About Smoking Area, Mustering Area, Red Zones, Escapes Routes, Etc.
06:00	0.34	06:20	FRAC	Frac. Job	Frac Stage 1. Fluid System: Hybor G 16 Open Well, 190 Psi. ICP. BrokeDown At 4.8 Bpm And 3,176 Psi.. Pump 3900 Gals. 15% HCL And 102 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 70.7 Bpm And 5,237 Psi., Get ISIP, 2,986 Psi.. 0.79 Psi./Ft. F.G.. 36/51 Holes. Con't With SlickWater Pad, 48,448 Gals.. Stage Into Hybor Pad, 70.8 Bpm At 4,800 Psi.. On Perfs, 70.5 Bpm At 5,073 Psi., 12,118 Gals. Stage Into 2.0# 20/40 White Prop, 70.4 Bpm At 5,067 Psi.. On Perfs, 70.3 Bpm At 4,616 Psi., 9,213 Gals. Stage Into 3.0# 20/40 White Prop, 70.3 Bpm At 4,619 Psi.. On Perfs, 70.5 Bpm At 4,066 Psi., 19,789 Gals. Stage Into 3.5# 20/40 White Prop, 70.6 Bpm At 4,040 Psi.. On Perfs, 70.7 Bpm At 3,920 Psi., 10,219 Gals. Stage Into 4.0# 20/40 White Prop, 70.7 Bpm At 3,904 Psi.. On Perfs, 70.8 Bpm At 3,861 Psi., 10,821 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 3,108 Psi.. 0.80 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White Prop - 150,100# Total Clean - 132,261 Gals.. 3,149 Bbls.. Produced Water - 68,375 Gals. 2% KCL - 62,037 Gals.. BWTR - 3,309 Bbls. Max. Rate - 71.1 Bpm Avg. Rate - 70.6 Bpm Max. Psi. - 5,106 Psi. Avg. Psi. - 4,189 Psi.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:20	0.17	06:30	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
06:30	1.17	07:40	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 4-23-2013. Found And Correlated To Short Joint At 7,582 - 7,604'. Drop Down To Depth, Set CBP At 8,350'. 2,700 Psi. Perforate Stage 2 CR-4/CR-3 Zone, 8,059 - 8,332'. 42 Holes. 2,800 Psi. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
07:40	0.08	07:45	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
07:45	1.17	08:55	FRAC	Frac. Job	Frac Stage 2. Fluid System: Hybor G 16 Open Well, 2,828 Psi. ICP. BrokeDown At 4.2 Bpm And 3,610 Psi.. Pump 3900 Gals. 15% HCL And 84 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 70.2 Bpm And 4,971 Psi., Get ISIP, 2,989 Psi.. 0.80 Psi./Ft. F.G.. 36/42 Holes. Con't With SlickWater Pad, 48,385 Gals.. Stage Into Hybor Pad, 70.0 Bpm At 4,377 Psi.. On Perfs, 69.8 Bpm At 4,659 Psi., 12,195 Gals. Stage Into 2.0# 20/40 White Prop, 70.0 Bpm At 4,780 Psi.. On Perfs, 70.1 Bpm At 4,352 Psi., 8,916 Gals. Stage Into 3.0# 20/40 White Prop, 70.1 Bpm At 4,325 Psi.. On Perfs, 70.2 Bpm At 3,982 Psi., 20,748 Gals. Stage Into 3.5# 20/40 White Prop, 70.2 Bpm At 3,927 Psi.. On Perfs, 70.1 Bpm At 3,883 Psi., 9,876 Gals. Stage Into 4.0# 20/40 White Prop, 70.2 Bpm At 3,885 Psi.. On Perfs, 70.2 Bpm At 3,786 Psi., 10,431 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 3,039 Psi.. 0.81 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White Prop - 150,200# Total Clean - 131,987 Gals.. 3,143 Bbls.. Produced Water - 67,870 Gals. 2% KCL - 62,166 Gals.. BWTR - 3,314 Bbls. Max. Rate - 70.4 Bpm Avg. Rate - 70.1 Bpm Max. Psi. - 4,795 Psi. Avg. Psi. - 4,051 Psi.
08:55	0.16	09:05	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
09:05	1.25	10:20	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 4-23-2013. Found And Correlated To Short Joint At 7,582 - 7,604'. Drop Down To Depth, Set CBP At 8,044'. 2,800 Psi. Perforate Stage 3 CR-3 Zone, 7,745 - 8,019'. 45 Holes. 2,700 Psi. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
10:20	0.17	10:30	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.



**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
10:30	1.17	11:40	FRAC	Frac. Job	<p>Frac Stage 3. Fluid System: Hybor G 16  Open Well, 2,642 Psi. ICP. BrokeDown At 9.3 Bpm And 3,234 Psi..  Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall.  Get Stabilized Injection Of 70.6 Bpm And 4,681 Psi., Get ISIP, 2,781 Psi.. 0.79 Psi./Ft. F.G.. 34/45 Holes.  Con't With SlickWater Pad, 48,375 Gals..  Stage Into Hybor Pad, 70.0 Bpm At 4,323 Psi..  On Perfs, 70.0 Bpm At 4,549 Psi., 12,152 Gals.  Stage Into 2.0# 20/40 White Prop, 70.0 Bpm At 4,554 Psi..  On Perfs, 70.0 Bpm At 4,100 Psi., 8,611 Gals.  Stage Into 3.0# 20/40 White Prop, 70.0 Bpm At 4,077 Psi..  On Perfs, 70.2 Bpm At 3,680 Psi., 21,691 Gals.  Stage Into 3.5# 20/40 White Prop, 70.2 Bpm At 3,661 Psi..  On Perfs, 70.2 Bpm At 3,588 Psi., 9,643 Gals.  Stage Into 4.0# 20/40 White Prop, 70.2 Bpm At 3,592 Psi..  On Perfs, 70.2 Bpm At 3,504 Psi., 10,059 Gals.  Stage Into Flush, Flush 15 Bbls. Over Bottom Perf..  Get ISDP, 2,908 Psi.. 0.81 Psi./Ft. F.G.. WSI And Secured.  Total 20/40 White Prop - 150,300#  Total Clean - 131,380 Gals.. 3,128 Bbls..  Produced Water - 67,198 Gals.  2% KCL - 62,156 Gals..  BWTR - 3,298 Bbls.  Max. Rate - 70.4 Bpm  Avg. Rate - 70.1 Bpm  Max. Psi. - 4,566 Psi.  Avg. Psi. - 3,806 Psi.</p>
11:40	0.16	11:50	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
11:50	1.08	12:55	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 4-23-2013.  Found And Correlated To Short Joint At 7,582 - 7,604'.  Drop Down To Depth, Set CBP At 7,740'. 2,700 Psi.  Perforate Stage 4 CR-2 Zone, 7,463 - 7,724'. 45 Holes. 2,500 Psi.  POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
12:55	0.08	13:00	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
13:00	1.25	14:15	FRAC	Frac. Job	<p>Frac Stage 4. Fluid System: Hybor G 16  Open Well, 2,386 Psi. ICP. BrokeDown At 9.3 Bpm And 3,304 Psi..  Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall.  Get Stabilized Injection Of 70.4 Bpm And 5,001 Psi., Get ISIP, 2,272 Psi.. 0.74 Psi./Ft. F.G.. 31/45 Holes.  Con't With SlickWater Pad, 48,350 Gals..  Stage Into Hybor Pad, 70.2 Bpm At 4,273 Psi..  On Perfs, 70.0 Bpm At 4,178 Psi., 15,971 Gals.  Stage Into 2.0# 20/40 White Prop, 70.3 Bpm At 4,087 Psi..  On Perfs, 70.1 Bpm At 3,734 Psi., 8,350 Gals.  Stage Into 3.0# 20/40 White Prop, 70.1 Bpm At 3,702 Psi..  On Perfs, 70.3 Bpm At 3,396 Psi., 22,497 Gals.  Stage Into 3.5# 20/40 White Prop, 70.2 Bpm At 3,493 Psi..  On Perfs, 70.4 Bpm At 3,460 Psi., 9,346 Gals.  Stage Into 4.0# 20/40 White Prop, 70.5 Bpm At 3,473 Psi..  On Perfs, 70.2 Bpm At 3,530 Psi., 9,896 Gals.  Stage Into Flush, Flush 15 Bbls. Over Bottom Perf..  Get ISDP, 2,534 Psi.. 0.77 Psi./Ft. F.G.. WSI And Secured.  Total 20/40 White Prop - 150,300#  Total Clean - 134,700 Gals.. 3,207 Bbls..  Produced Water - 66,686 Gals.  2% KCL - 66,060 Gals..  BWTR - 3,359 Bbls.  Max. Rate - 70.5 Bpm  Avg. Rate - 70.3 Bpm  Max. Psi. - 3,839 Psi.  Avg. Psi. - 3,556 Psi.</p>
14:15	0.17	14:25	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
14:25	1.17	15:35	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 4-23-2013. Found And Correlated To Short Joint At 6,861 - 6,884'. Drop Down To Depth, Set CBP At 7,458'. 2,200 Psi. Perforate Stage 5 CR-1A Zone, 7,213 - 7,438'. 45 Holes. 2,150 Psi. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
15:35	0.08	15:40	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
15:40	1.25	16:55	FRAC	Frac. Job	Frac Stage 5. Fluid System: Hybor G 16 Open Well, 1,941 Psi. ICP. BrokeDown At 10.5 Bpm And 2,785 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 70.7 Bpm And 3,823 Psi., Get ISIP, 2,317 Psi.. 0.75 Psi./Ft. F.G.. 40/45 Holes. Con't With SlickWater Pad, 51,650 Gals.. Stage Into .75# 100 Mesh Pad, 70.1 Bpm At 3,640 Psi.. On Perfs, 70.0 Bpm At 3,653 Psi., 19,481 Gals. Stage Into 1.0# 20/40 White Prop, 69.8 Bpm At 3,677 Psi.. On Perfs, 70.0 Bpm At 3,551 Psi., 8,035 Gals. Stage Into 2.0# 20/40 White Prop, 70.0 Bpm At 3,543 Psi.. On Perfs, 70.3 Bpm At 3,384 Psi., 8,090 Gals. Stage Into 3.0# 20/40 White Prop, 70.3 Bpm At 3,375 Psi.. On Perfs, 70.2 Bpm At 3,225 Psi., 24,071 Gals. Stage Into 3.5# 20/40 White Prop, 70.2 Bpm At 3,205 Psi.. On Perfs, 70.3 Bpm At 3,173 Psi., 9,072 Gals. Stage Into 4.0# 20/40 White Prop, 70.2 Bpm At 3,173 Psi.. On Perfs, 70.2 Bpm At 3,192 Psi., 9,384 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 2,727 Psi.. 0.81 Psi./Ft. F.G.. WSI And Secured. 100 Mesh - 14,630# Total 20/40 White Prop - 160,170# Total Clean - 149,564 Gals.. 3,561 Bbls.. Produced Water - 69,480 Gals. 2% KCL - 78,133 Gals.. BWTR - 3,741 Bbls. Max. Rate - 70.5 Bpm Avg. Rate - 70.0 Bpm Max. Psi. - 3,845 Psi. Avg. Psi. - 3,382 Psi.
16:55	0.17	17:05	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
17:05	1.00	18:05	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 4-23-2013. Found And Correlated To Short Joint At 6,861 - 6,884'. Drop Down To Depth, Set CBP At 7,208'. 2,700 Psi. Perforate Stage 6 Castle Peak Zone, 7,041 - 7,190'. 39 Holes. 2,000 Psi. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
18:05	11.92	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.

**1-10D-45 BTR 5/14/2013 06:00 - 5/15/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.17	06:10	LOCL	Lock Wellhead & Secure	WSI And Secured. HES Arrive On Location. Prime Up Chemicals And HP. Run QA On Fluids. Pressure Test Iron To 9500#.
06:10	0.17	06:20	SMTG	Safety Meeting	Hold Safety Meeting. Talked About Smoking Area, Mustering Area, Red Zones, Escapes Routes, Etc.



# Bill Barrett Corporation

## Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:20	1.25	07:35	FRAC	Frac. Job	<p>Frac Stage 6. Fluid System: Hybor G 16  Open Well, 1,571 Psi. ICP. BrokeDown At 9.5 Bpm And 3,429 Psi..  Pump 3900 Gals. 15% HCL And 78 Bio Balls, Attempt BallOut. Let Balls Fall.  Get Stabilized Injection Of 69.6 Bpm And 3,865 Psi., Get ISIP, 2,253 Psi.. 0.75 Psi./Ft. F.G.. 36/39 Holes.  Con't With SlickWater Pad, 51,494 Gals..  Stage Into .75# 100 Mesh Pad, 70.1 Bpm At 3,674 Psi..  On Perfs, 70.2 Bpm At 3,756 Psi., 19,233 Gals.  Stage Into 1.0# 20/40 White Prop, 70.2 Bpm At 3,812 Psi..  On Perfs, 70.0 Bpm At 3,710 Psi., 8,022 Gals.  Stage Into 2.0# 20/40 White Prop, 70.0 Bpm At 3,694 Psi..  On Perfs, 70.1 Bpm At 3,486 Psi., 8,022 Gals.  Stage Into 3.0# 20/40 White Prop, 70.0 Bpm At 3,469 Psi..  On Perfs, 70.1 Bpm At 3,271 Psi., 24,972 Gals.  Stage Into 3.5# 20/40 White Prop, 70.1 Bpm At 3,250 Psi..  On Perfs, 70.2 Bpm At 3,232 Psi., 8,960 Gals.  Stage Into 4.0# 20/40 White Prop, 70.1 Bpm At 3,249 Psi..  On Perfs, 70.2 Bpm At 3,248 Psi., 9,362 Gals.  Stage Into Flush, Flush 15 Bbls. Over Bottom Perf..  Get ISDP, 2,693 Psi.. 0.82 Psi./Ft. F.G.. WSI And Secured.  100 Mesh - 14,600#  Total 20/40 White Prop - 160,200#  Total Clean - 149,146 Gals.. 3,551 Bbls..  Produced Water - 68,638 Gals.  2% KCL - 78,571 Gals..  BWTR - 3,738 Bbls.  Max. Rate - 70.5 Bpm  Avg. Rate - 70.0 Bpm  Max. Psi. - 3,816 Psi.  Avg. Psi. - 3,482 Psi.</p>
07:35	0.17	07:45	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
07:45	1.08	08:50	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 4-23-2013.  Found And Correlated To Short Joint At 6,861 - 6,884'.  Drop Down To Depth, Set CBP At 7,036'. 1,800 Psi.  Perforate Stage 7 Castle Peak/Black Shale Zone, 6,768 - 7,020'. 45 Holes. 1,750 Psi.  POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
08:50	0.08	08:55	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
08:55	1.08	10:00	FRAC	Frac. Job	<p>Frac Stage 7. Fluid System: Hybor G 16  Open Well, 1,628 Psi. ICP. BrokeDown At 10.5 Bpm And 2,705 Psi..  Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall.  Get Stabilized Injection Of 70.9 Bpm And 3,350 Psi., Get ISIP, 1,665 Psi.. 0.68 Psi./Ft. F.G.. 40/45 Holes.  Con't With SlickWater Pad, 43,682 Gals..  Stage Into .75# 100 Mesh Pad, 70.4 Bpm At 3,029 Psi..  On Perfs, 70.4 Bpm At 3,119 Psi., 16,634 Gals.  Stage Into 1.0# 20/40 White Prop, 70.4 Bpm At 3,157 Psi..  On Perfs, 70.5 Bpm At 3,106 Psi., 7,720 Gals.  Stage Into 2.0# 20/40 White Prop, 70.4 Bpm At 3,100 Psi..  On Perfs, 70.3 Bpm At 2,875 Psi., 7,751 Gals.  Stage Into 3.0# 20/40 White Prop, 70.4 Bpm At 2,828 Psi..  On Perfs, 70.3 Bpm At 2,663 Psi., 17,182 Gals.  Stage Into 3.5# 20/40 White Prop, 70.5 Bpm At 2,622 Psi..  On Perfs, 70.5 Bpm At 2,564 Psi., 8,745 Gals.  Stage Into 4.0# 20/40 White Prop, 70.4 Bpm At 2,554 Psi..  On Perfs, 70.3 Bpm At 2,504 Psi., 8,502 Gals.  Stage Into Flush, Flush 15 Bbls. Over Bottom Perf..  Get ISDP, 1,774 Psi.. 0.70 Psi./Ft. F.G.. WSI And Secured.  100 Mesh - 13,810#  Total 20/40 White Prop - 134,170#  Total Clean - 129,1078 Gals.. 3,073 Bbls..  Produced Water - 60,602 Gals.  2% KCL - 66,534 Gals..  BWTR - 3,223 Bbls.  Max. Rate - 70.8 Bpm  Avg. Rate - 70.4 Bpm  Max. Psi. - 3,160 Psi.  Avg. Psi. - 2,840 Psi.</p>

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
10:00	0.34	10:20	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up CBP Plug Assembly. Equalize To Well Pressure.
10:20	1.00	11:20	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 4-23-2013. Found And Correlated To Joint At 6,693 - 6,733'. Drop Down To Depth, Set CBP At 6,720'. 1,700 Psi. Bleed Pressure Off Well. POOH. LayDown Tools, WSI And Secured.
11:20	2.67	14:00	SRIG	Rig Up/Down	RigDown WireLine And Frac Crews, MOL.
14:00	16.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. Batch Water. Start Moving Tanks Off Location.

**1-10D-45 BTR 5/15/2013 06:00 - 5/16/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	1.50	08:30	SRIG	Rig Up/Down	MIRU RIG & EQUIPMENT.
08:30	2.50	11:00	BOPI	Install BOP's	SIWP- 0. N/D FRAC TREE. N/U BOP & HYDRILL. R/U FLOOR & EQUIPMENT. SPOT CATWALK & PIPE RACKS. LOAD 285 JTS ON RACKS & TALLY TBG.
11:00	2.50	13:30	RUTB	Run Tubing	P/U 4-3/4 BIT, POBS, 1 JT 2-7/8 TBG & 2.31 XN- NIPPLE. RIH P/U 2-7/8 L-80 TBG TO KILL PLUG @ 6720'.
13:30	4.50	18:00	DOPG	Drill Out Plugs	R/U POWER SWIVEL. BREAK CIRC. TEST CIRC EQUIPMENT & BOPE TO 2500 PSI, HELD.  D/O KILL PLUG @ 6720'. FCP- 1200 ON 28/64 CHOKE.  SWIVEL IN HOLE. TAG SAND @ 7020'. C/O SAND & D/O CBP @ 7036'. FCP- 1100 ON 28/64 CHOKE.  SWIVEL IN HOLE. TAG SAND @ 7187'. C/O SAND & D/O CBP @ 7208'. FCP- 1000 ON 28/64 CHOKE.  SWIVEL IN HOLE. TAG SAND @ 7438'. C/O SAND & D/O CBP @ 7458'. FCP- 1100 ON 28/64 CHOKE. CIRC WELL CLEAN. R/D SWIVEL. SDFN. TURN WELL OVER TO FLOW BACK. SDFN.
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SECURE.

**1-10D-45 BTR 5/16/2013 06:00 - 5/17/2013 06:00**

API/UWI 43-013-51064	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 8,900.0	Primary Job Type Drilling & Completion
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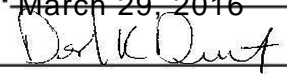
**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	4.50	11:30	DOPG	Drill Out Plugs	FCP- 1000 ON 28/64 CHOKE. SWIVEL IN HOLE, TAG SAND @ 7720'. BREAK CIRC. C/O SAND & D/O CBP @ 7740'. FCP- 1000 ON 28/64 CHOKE.  SWIVEL IN HOLE. TAG SAND @ 8016'. C/O SAND & D/O CBP @ 8044'. FCP- 900 ON 28/64 CHOKE.  SWIVEL IN HOLE. TAG SAND @ 8335'. C/O SAND & D/O CBP @ 8344'. FCP- 1000 ON 28/64 CHOKE.  SWIVEL IN HOLE, TAG SAND @ 8629'. C/O TO FLOAT COLLAR @ 8862' PBTD. JT 279 ALL THE WAY IN. CIRC WELL CLEAN. PUMPED 350 BBLS TOTAL. R/D SWIVEL
11:30	1.00	12:30	PULT	Pull Tubing	PULL ABOVE PERFS L/D 2-7/8 TBG TO 6066' & LAND TBG. 190 JTS TOTAL IN HOLE.
12:30	1.50	14:00	IWHD	Install Wellhead	R/D FLOOR. N/D BOPE. N/U WELLHEAD. DROP BALL DOWN TBG & PUMPED BIT OFF. R/U TO SALES LINE. TURN OVER TO FLOW BACK.
14:00	2.00	16:00	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT. ROAD RIG TO 14-8D-36 BTR.
16:00	14.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. FLOWING TO SALES.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626290
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 1-10D-45 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0476 FNL 1074 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 10 Township: 04.0S Range: 05.0W Meridian: U		<b>9. API NUMBER:</b> 43013510640000
<b>5. FIELD and POOL or WILDCAT:</b> ALTAMONT		<b>6. COUNTY:</b> DUCHESNE
<b>7. STATE:</b> UTAH		<b>8. STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 4/24/2017	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input checked="" type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:		
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> This well was SI on 4/25/15 with a hole on tbg. Due to low commodity prices & high failure rates the well has been left SI. On 4/24/16 the well will be SI for 1 year. Current economics don't justify the workover required to RTP. For this reason BBC is requesting an addtl 1 year SI, before a MIT is required, until 4/24/17. The well currently has 150 psi tbg, 150 psi csg, 0 psi Braden Head. With minimal to 0 Braden Head pressure & 150 psi csg pressure, it is evident that the 5-1/2" production csg has full integrity & all formations are protected. Fluid level was found at 3,300 ft. from sfc with TOC at 1,770 ft. The well is SI at the wellhead & all sfc equipment has been drained & winterized. The well is still on an active lease operator route & is checked frequently for any sfc & potential downhole issues. BBC would RTP if economics will justify at a higher commodity price before 4/24/17		
<b>NAME (PLEASE PRINT)</b> Brady Riley		<b>PHONE NUMBER</b> 303 312-8115
<b>SIGNATURE</b> N/A		<b>TITLE</b> Permit Analyst
<b>DATE</b> 3/16/2016		

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** March 29, 2016

**By:** 



Effective Date: 11/1/2016

<b>FORMER OPERATOR:</b>	<b>NEW OPERATOR:</b>
Bill Barrett Corporation 1099 18th Street, Suite 2300 Denver, CO 80202	Rig II, LLC 1582 West 2600 South Woods Cross, UT 84087
CA Number(s):	Unit(s):

**WELL INFORMATION:**

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

**OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on: 10/21/2016
2. Sundry or legal documentation was received from the **NEW** operator on: 10/21/2016
3. New operator Division of Corporations Business Number: 8256968-0160

**REVIEW:**

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A
2. Receipt of Acceptance of Drilling Procedures for APD on: 10/21/2016
3. Reports current for Production/Disposition & Sundries: 11/2/2016
4. OPS/SI/TA well(s) reviewed for full cost bonding: 11/3/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: 11/3/2016
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): 11/3/2016

**NEW OPERATOR BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UTB000712
2. Indian well(s) covered by Bond Number: LPM 922467
3. State/fee well(s) covered by Bond Number(s): 9219529

**DATA ENTRY:**

1. Well(s) update in the **OGIS** on: 11/7/2016
2. Entity Number(s) updated in **OGIS** on: 11/7/2016
3. Unit(s) operator number update in **OGIS** on: N/A
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 11/7/2016
6. Surface Facilities update in **RBDMS** on: N/A

**COMMENTS:**

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
SWD 9-36 BTR	9	030S	060W	4301350646	18077	Indian	Fee	WD	A
16-6D-46 BTR SWD	6	040S	060W	4301350781	18327	Indian	Fee	WD	A
6-32-36 BTR SWD	32	030S	060W	4301350921	18329	Indian	Fee	WD	A
LC TRIBAL 8-26D-47	26	040S	070W	4301334024		Indian	Indian	OW	APD
16-21D-37 BTR	21	030S	070W	4301350758		Indian	Fee	OW	APD
14-11D-37 BTR	11	030S	070W	4301350862		Indian	Fee	OW	APD
7-17D-46 BTR	17	040S	060W	4301350883		Indian	Indian	OW	APD
14-12D-37 BTR	12	030S	070W	4301350894		Indian	Fee	OW	APD
1-18D-36 BTR	18	030S	060W	4301350922		Indian	Fee	OW	APD
13-2D-45 BTR	2	040S	050W	4301350931		Indian	Indian	OW	APD
5H-16-46 BTR	16	040S	060W	4301350992		Indian	Indian	OW	APD
9H-17-45 BTR	17	040S	050W	4301351098		Indian	Indian	OW	APD
13H-8-46 BTR UB	8	040S	060W	4301351124		Indian	Indian	OW	APD
8H-9-46 BTR	9	040S	060W	4301351140		Indian	Indian	OW	APD
LC TRIBAL 7-31D-37	31	030S	070W	4301351147		Indian	Fee	OW	APD
14-16D-45 BTR	16	040S	050W	4301351178		Indian	Indian	OW	APD
16-19D-37 BTR	19	030S	070W	4301351179		Indian	Fee	OW	APD
6-2D-45 BTR	2	040S	050W	4301351234		Indian	Indian	OW	APD
2-2D-45 BTR	2	040S	050W	4301351235		Indian	Indian	OW	APD
10-26-35 BTR	26	030S	050W	4301351248		Indian	Fee	OW	APD
LC TRIBAL 1H-33-46	33	040S	060W	4301351257		Indian	Fee	OW	APD
LC TRIBAL 9-25D-46	25	040S	060W	4301351276		Indian	Indian	OW	APD
LC TRIBAL 8H-30-45	30	040S	050W	4301351277		Indian	Indian	OW	APD
LC TRIBAL 16H-30-45	30	040S	050W	4301351279		Indian	Indian	OW	APD
LC TRIBAL 13-30D-45	30	040S	050W	4301351282		Indian	Indian	OW	APD
LC TRIBAL 16H-36-46	36	040S	060W	4301351291		Indian	Indian	OW	APD
LC TRIBAL 13H-30-46	30	040S	060W	4301351321		Indian	Indian	OW	APD
LC TRIBAL 13H-31-46	31	040S	060W	4301351326		Indian	Indian	OW	APD
LC TRIBAL 16-31D-46	31	040S	060W	4301351328		Indian	Indian	OW	APD
LC TRIBAL 5H-26-47	26	040S	070W	4301351337		Indian	Indian	OW	APD
LC TRIBAL 5H-19-45	20	040S	050W	4301351349		Indian	Indian	OW	APD
LC TRIBAL 16-36D-47	36	040S	070W	4301351363		Indian	Indian	OW	APD
15-4D-47 BTR	4	040S	070W	4301351377		Indian	Fee	OW	APD
16-23D-46 LC TRIBAL	23	040S	060W	4301351396		Indian	Fee	OW	APD
15-2D-36 BTR	2	030S	060W	4301351419		Indian	Fee	OW	APD
16-23D-37 BTR	23	030S	070W	4301351420		Indian	Fee	OW	APD
11-9D-47 BTR	9	040S	070W	4301351422		Indian	Fee	OW	APD
15-13D-47 BTR	13	040S	070W	4301351424		Indian	Indian	OW	APD
LC TRIBAL 15-19D-46	19	040S	060W	4301351426		Indian	Indian	OW	APD
16-13D-45 BTR	13	040S	050W	4301351428		Indian	Indian	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

14-12D-45 BTR	12	040S	050W	4301351444		Indian	Indian	OW	APD
16-14D-45 BTR	14	040S	050W	4301351445		Indian	Indian	OW	APD
5-13D-45 BTR	13	040S	050W	4301351446		Indian	Indian	OW	APD
LC TRIBAL 16-26D-46	26	040S	060W	4301351450		Indian	State	OW	APD
LC TRIBAL 16-34D-46	34	040S	060W	4301351451		Indian	State	OW	APD
16-12D-45 BTR	12	040S	050W	4301351452		Indian	Indian	OW	APD
8-12D-45 BTR	12	040S	050W	4301351453		Indian	Indian	OW	APD
LC TRIBAL 1-35D-46	35	040S	060W	4301351454		Indian	Fee	OW	APD
16-25D-37 BTR	25	030S	070W	4301351455		Indian	Fee	OW	APD
LC TRIBAL 13H-29-46	28	040S	060W	4301351462		Indian	Fee	OW	APD
LC TRIBAL 14-30D-37	30	030S	070W	4301351494		Indian	Fee	OW	APD
7-13D-45 BTR	13	040S	050W	4301351497		Indian	Indian	OW	APD
LC TRIBAL 4H-35-46	35	040S	060W	4301351515		Indian	Fee	OW	APD
LC TRIBAL 13H-19-46	19	040S	060W	4301351543		Indian	Indian	OW	APD
16-26D-37 BTR	26	030S	070W	4301351598		Indian	Fee	OW	APD
LC TRIBAL 16-31D-37	31	030S	070W	4301351610		Indian	Fee	OW	APD
5-4-35 BTR	4	030S	050W	4301351613		Indian	Fee	OW	APD
LC TRIBAL 16-31D-47	31	040S	070W	4301351616		Indian	Indian	OW	APD
LC TRIBAL 13H-31-47	31	040S	070W	4301351617		Indian	Indian	OW	APD
LC TRIBAL 13-32D-47	32	040S	070W	4301351619		Indian	Indian	OW	APD
LC TRIBAL 16H-32-47	32	040S	070W	4301351620		Indian	Indian	OW	APD
LC TRIBAL 1-32D-47	32	040S	070W	4301351624		Indian	Indian	OW	APD
LC TRIBAL 4H-32-47	32	040S	070W	4301351625		Indian	Indian	OW	APD
LC TRIBAL 13-28D-47	28	040S	070W	4301351627		Indian	Indian	OW	APD
LC TRIBAL 13H-29-47	28	040S	070W	4301351628		Indian	Indian	OW	APD
LC TRIBAL 16H-28-47	28	040S	070W	4301351629		Indian	Indian	OW	APD
LC TRIBAL 1-28D-47	28	040S	070W	4301351639		Indian	Indian	OW	APD
LC TRIBAL 1H-27-47	28	040S	070W	4301351640		Indian	Indian	OW	APD
LC TRIBAL 4H-28-47	28	040S	070W	4301351641		Indian	Indian	OW	APD
LC TRIBAL 7-25D-58	25	050S	080W	4301351643		Indian	Indian	OW	APD
LC TRIBAL 6-25D-58	25	050S	080W	4301351644		Indian	Indian	OW	APD
LC TRIBAL 13H-24-58	24	050S	080W	4301351645		Indian	Indian	OW	APD
LC TRIBAL 16-24D-58	24	050S	080W	4301351646		Indian	Indian	OW	APD
LC Tribal 8-23D-46	23	040S	060W	4301351654		Indian	Fee	OW	APD
LC Tribal 16-35D-45	35	040S	050W	4301351656		Indian	Fee	OW	APD
LC Tribal 13H-35-45	35	040S	050W	4301351657		Indian	Fee	OW	APD
LC Tribal 16-36D-45	36	040S	050W	4301351658		Indian	Fee	OW	APD
LC Tribal 13H-36-45	36	040S	050W	4301351659		Indian	Fee	OW	APD
LC Tribal 5-36D-45	36	040S	050W	4301351661		Indian	Fee	OW	APD
LC Tribal 8-26D-46	26	040S	060W	4301351663		Indian	Fee	OW	APD
3-29D-36 BTR	29	030S	060W	4301351665		Indian	Fee	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 5-35D-45	35	040S	050W	4301351666	Indian	Fee	OW	APD
LC Tribal 5-24D-46	24	040S	060W	4301351668	Indian	Indian	OW	APD
LC TRIBAL 6-12D-58	12	050S	080W	4301351696	Indian	Indian	OW	APD
LC TRIBAL 8-12D-58	12	050S	080W	4301351697	Indian	Indian	OW	APD
LC TRIBAL 16H-22-47	21	040S	070W	4301351700	Indian	Indian	OW	APD
5-25D-37 BTR	25	030S	070W	4301351803	Indian	Fee	OW	APD
8-3D-36 BTR	3	030S	060W	4301351804	Indian	Fee	OW	APD
14-26D-37 BTR	26	030S	070W	4301351805	Indian	Fee	OW	APD
9-4-35 BTR	4	030S	050W	4301351806	Indian	Fee	OW	APD
11-4D-35 BTR	4	030S	050W	4301351807	Indian	Fee	OW	APD
16-27D-37 BTR	27	030S	070W	4301351808	Indian	Fee	OW	APD
14-27D-37 BTR	27	030S	070W	4301351809	Indian	Fee	OW	APD
14-16D-46 BTR	16	040S	060W	4301351812	Indian	Indian	OW	APD
LC Tribal 16-35D-48	35	040S	080W	4301351847	Indian	Indian	OW	APD
LC Tribal 13H-35-48	35	040S	080W	4301351848	Indian	Indian	OW	APD
LC Tribal 13-2D-58	11	050S	080W	4301351850	Indian	Indian	OW	APD
5-13D-36 BTR	13	030S	060W	4301351862	Indian	Fee	OW	APD
5-8D-36 BTR	8	030S	060W	4301351871	Indian	Fee	OW	APD
16-1D-36 BTR	1	030S	060W	4301351872	Indian	Fee	OW	APD
8-18D-46 BTR	18	040S	060W	4301351897	Indian	Fee	OW	APD
LC Tribal 5-36D-46	36	040S	060W	4301351905	Indian	Indian	OW	APD
LC Tribal 5-26D-45	26	040S	050W	4301351907	Indian	Indian	OW	APD
14-13D-45 BTR	13	040S	050W	4301351974	Indian	Indian	OW	APD
14-34D-46 DLB	34	040S	060W	4301351975	Indian	Fee	OW	APD
LC Tribal 5-21D-45	21	040S	050W	4301352001	Indian	Indian	OW	APD
LC Tribal 8-22D-45	22	040S	050W	4301352002	Indian	Indian	OW	APD
LC Tribal 8-25D-45	25	040S	050W	4301352007	Indian	Indian	OW	APD
LC Tribal 16-25D-45	25	040S	050W	4301352008	Indian	Indian	OW	APD
LC Tribal 16-22D-45	22	040S	050W	4301352009	Indian	Indian	OW	APD
LC Tribal 16-26D-45	26	040S	050W	4301352010	Indian	Indian	OW	APD
LC Tribal 14-31D-37	31	030S	070W	4301352016	Indian	Fee	OW	APD
5-12D-45 BTR	12	040S	050W	4301352030	Indian	Indian	OW	APD
LC Tribal 9-20D-45	20	040S	050W	4301352031	Indian	Indian	OW	APD
LC Tribal 13-35D-47	35	040S	070W	4301352055	Indian	Indian	OW	APD
LC Tribal 1-23D-47	23	040S	070W	4301352057	Indian	Indian	OW	APD
9-17D-46 BTR	17	040S	060W	4301352059	Indian	Indian	OW	APD
11-18D-46 BTR	18	040S	060W	4301352060	Indian	Indian	OW	APD
9-10D-47 BTR	10	040S	070W	4301352092	Indian	Fee	OW	APD
LC Tribal 1-17D-47	17	040S	070W	4301352096	Indian	Fee	OW	APD
7-35D-37 BTR	35	030S	070W	4301352115	Indian	Fee	OW	APD
14-25D-37 BTR	25	030S	070W	4301352116	Indian	Fee	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 5-25-46	25	040S	060W	4301352126	Indian	Indian	OW	APD
8-33D-35 BTR	33	030S	050W	4301352161	Indian	Fee	OW	APD
5-4D-36 BTR	4	030S	060W	4301352175	Indian	Fee	OW	APD
7-4D-36 BTR	4	030S	060W	4301352176	Indian	Fee	OW	APD
LC Tribal 4-36D-47	36	040S	070W	4301352186	Indian	Indian	OW	APD
LC Tribal 4-22D-46	22	040S	060W	4301352944	Indian	Indian	OW	APD
LC Tribal 16-22D-46	22	040S	060W	4301352945	Indian	Indian	OW	APD
LC Tribal 11-19D-46	19	040S	060W	4301352946	Indian	Indian	OW	APD
LC Tribal 7-20D-45	20	040S	050W	4301352947	Indian	Indian	OW	APD
15-11D-35 BTR	11	030S	050W	4301353056	Indian	Fee	OW	APD
13-11D-35 BTR	11	030S	050W	4301353057	Indian	Fee	OW	APD
BTR 16-36D-37	36	030S	070W	4301353059	Indian	Fee	OW	APD
4-29D-35 BTR	30	030S	050W	4301353060	Indian	Fee	OW	APD
1-30D-35 BTR	30	030S	050W	4301353061	Fee	Fee	OW	APD
LC TRIBAL 3-23D-46	23	040S	060W	4301353066	Indian	State	OW	APD
LC Tribal 14-23D-46	23	040S	060W	4301353067	Indian	State	OW	APD
LC Tribal 13-25D-46	25	040S	060W	4301353068	Indian	Indian	OW	APD
LC Tribal 14-26D-46	26	040S	060W	4301353069	Indian	State	OW	APD
LC Tribal 5-26D-46	26	040S	060W	4301353070	Indian	State	OW	APD
LC Tribal 11-35D-45	35	040S	050W	4301353071	Indian	State	OW	APD
LC Tribal 7-35D-45	35	040S	050W	4301353072	Indian	State	OW	APD
LC Tribal 3-35D-45	35	040S	050W	4301353075	Indian	State	OW	APD
LC Tribal 14-36D-45	36	040S	050W	4301353076	Indian	State	OW	APD
LC Tribal 13-36D-45	36	040S	050W	4301353077	Indian	State	OW	APD
LC Tribal 10-36D-45	36	040S	050W	4301353078	Indian	State	OW	APD
LC Tribal 8-36D-45	36	040S	050W	4301353079	Indian	State	OW	APD
LC Tribal 6-36D-45	36	040S	050W	4301353080	Indian	State	OW	APD
LC Tribal 1-34D-46	34	040S	060W	4301353081	Indian	State	OW	APD
LC Tribal 9-27D-46	27	040S	060W	4301353082	Indian	State	OW	APD
LC Tribal 13-35D-45	35	040S	050W	4301353083	Indian	State	OW	APD
LC Tribal 8-35D-45	35	040S	050W	4301353084	Indian	State	OW	APD
LC Tribal 15-35D-45	35	040S	050W	4301353085	Indian	State	OW	APD
LC Tribal 12-25D-45	25	040S	050W	4301353122	Indian	Indian	OW	APD
LC Tribal 14-25D-45	25	040S	050W	4301353123	Indian	Indian	OW	APD
LC Tribal 10-25D-45	25	040S	050W	4301353124	Indian	Indian	OW	APD
LC Tribal 11-26-45	26	040S	050W	4301353125	Indian	Indian	OW	APD
LC Tribal 13-26D-45	26	040S	050W	4301353126	Indian	Indian	OW	APD
LC Tribal 7-31D-46	31	040S	060W	4301353127	Indian	Indian	OW	APD
LC Tribal 7-19D-45	19	040S	050W	4301353128	Indian	Indian	OW	APD
LC Tribal 5-19D-45	19	040S	050W	4301353130	Indian	Indian	OW	APD
LC Tribal 7-25D-46	25	040S	060W	4301353132	Indian	Indian	OW	APD



From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 7-24D-46	24	040S	060W	4301353134		Indian	Indian	OW	APD
LC Tribal 14-31D-46	31	040S	060W	4301353135		Indian	Indian	OW	APD
LC Tribal 14-30D-46	30	040S	060W	4301353136		Indian	Indian	OW	APD
13-4-35 BTR SWD	4	030S	050W	4301353293		Fee	Fee	OW	APD
LC FEE 14-26D-47	26	040S	070W	4301353294		Fee	Indian	OW	APD
LC Fee 5-25D-47	25	040S	070W	4301353295		Fee	Indian	OW	APD
7-35-46 LC SWD	35	040S	060W	4301353296		Fee	Fee	OW	APD
LC Fee 1H-33-47	32	040S	070W	4301353309		Fee	Indian	OW	APD
LC FEE 14-2D-58	2	050S	080W	4301353312		Fee	Indian	OW	APD
LC FEE 13H-21-47	21	040S	070W	4301353313		Fee	Indian	OW	APD
LC Fee 16-21D-47	21	040S	070W	4301353326		Fee	Indian	OW	APD
16-7D-46 BTR	7	040S	060W	4301353328		Fee	Indian	OW	APD
LC Fee 15-26D-47	26	040S	070W	4301353331		Fee	Indian	OW	APD
LC Fee 4-24D-47	23	040S	070W	4301353332		Fee	Indian	OW	APD
LC Fee 5-34D-47	34	040S	070W	4301353333		Fee	Indian	OW	APD
LC Fee 5-35D-47	35	040S	070W	4301353334		Fee	Indian	OW	APD
13-34D-47 LC Fee	34	040S	070W	4301353337		Fee	Indian	OW	APD
14-35D-35 BTR	35	030S	050W	4301352120		Fee	Fee	OW	DRL
6-17D-46 BTR	17	040S	060W	4301351078		Indian	Indian	OW	OPS
5-34D-35 BTR	34	030S	050W	4301351187		Indian	Fee	OW	OPS
5-10D-45 BTR	10	040S	050W	4301351221		Indian	Indian	OW	OPS
5-3D-45 BTR	3	040S	050W	4301351810		Indian	Indian	OW	OPS
9-34D-35 BTR	34	030S	050W	4301352117		Fee	Fee	OW	OPS
5-35D-35 BTR	35	030S	050W	4301352118		Fee	Fee	OW	OPS
1-2D-46 BTR	2	040S	060W	4301353086		Indian	Fee	OW	OPS
7-21-46 DLB	21	040S	060W	4301333567	16526	Indian	Indian	OW	P
LC TRIBAL 1H-27-46	27	040S	060W	4301333568	18175	Indian	Fee	GW	P
7-29-46 DLB	29	040S	060W	4301333584	17603	Indian	Fee	GW	P
LC TRIBAL 12H-28-46	28	040S	060W	4301333631	18132	Indian	Indian	GW	P
LC TRIBAL 13H-21-46	21	040S	060W	4301333632	18107	Indian	Indian	GW	P
12-36-36 BTR	36	030S	060W	4301333638	16336	Indian	Fee	GW	P
5-5-46 BTR	5	040S	060W	4301333639	16542	Indian	Fee	OW	P
5-23-36 BTR	23	030S	060W	4301333642	16675	Indian	Fee	GW	P
14-29-36 BTR	29	030S	060W	4301333643	16725	Indian	Fee	OW	P
14-30-36 BTR	30	030S	060W	4301333644	16701	Indian	Fee	GW	P
7-20-46 DLB	20	040S	060W	4301333657	16584	Indian	Indian	OW	P
LC TRIBAL 5-21D-46	21	040S	060W	4301333658	18887	Indian	Indian	OW	P
5-20-46 DLB	20	040S	060W	4301333659	18750	Indian	Indian	GW	P
LC TRIBAL 13H-20-46	20	040S	060W	4301333678	17979	Indian	Indian	GW	P
14-7-46 BTR	7	040S	060W	4301333806	16890	Indian	Indian	GW	P
7-8-45 BTR	8	040S	050W	4301333820	16974	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

1-5-45 BTR	5	040S	050W	4301333868	16931	Indian	Indian	OW	P
5-16-36 BTR	16	030S	060W	4301333970	17195	Indian	Fee	OW	P
5-29-36 BTR	29	030S	060W	4301333972	17557	Indian	Fee	OW	P
4-30-36 BTR	30	030S	060W	4301333973	17249	Indian	Fee	OW	P
7-19-46 DLB	19	040S	060W	4301334004	19018	Indian	Indian	OW	P
5-25-36 BTR	25	030S	060W	4301334021	17126	Fee	Fee	OW	P
5-4-45 BTR	4	040S	050W	4301334089	17507	Indian	Indian	OW	P
13-2-46 BTR	2	040S	060W	4301334090	18618	Indian	Indian	OW	P
2-3-45 BTR	3	040S	050W	4301334099	17932	Indian	Indian	OW	P
7-6-45 BTR	6	040S	050W	4301334100	17653	Indian	Indian	OW	P
1-9-45 BTR	9	040S	050W	4301334101	17910	Indian	Indian	OW	P
8-10-45 BTR	10	040S	050W	4301334102	17530	Indian	Indian	OW	P
7-17-45 BTR	17	040S	050W	4301334104	17933	Indian	Indian	OW	P
16-7-45 BTR	7	040S	050W	4301334111	17665	Indian	Indian	OW	P
15-18-45 BTR	18	040S	050W	4301334112	17832	Indian	Indian	OW	P
6-12-46 BTR	12	040S	060W	4301334114	17964	Indian	Indian	OW	P
5-13-46 BTR	13	040S	060W	4301334115	17833	Indian	Indian	OW	P
16-26-36 BTR	26	030S	060W	4301334132	18028	Indian	Fee	OW	P
1-23-36 BTR	23	030S	060W	4301334136	17722	Indian	Fee	OW	P
15-10-36 BTR	10	030S	060W	4301334277	17419	Indian	Fee	OW	P
14-5-46 BTR	5	040S	060W	4301350307	17624	Fee	Fee	OW	P
14X-22-46 DLB	22	040S	060W	4301350351	17604	Indian	Indian	OW	P
16-13-36 BTR	13	030S	060W	4301350372	17853	Indian	Fee	OW	P
5-33-46 DLB	33	040S	060W	4301350397	17765	Indian	Fee	OW	P
5-34-46 DLB	34	040S	060W	4301350415	17801	Indian	State	GW	P
LC FEE 12H-32-46	32	040S	060W	4301350431	18003	Fee	Fee	OW	P
1-13D-47 BTR	13	040S	070W	4301350445	18205	Indian	Fee	OW	P
16-8D-45 BTR	8	040S	050W	4301350466	18799	Indian	Indian	OW	P
7-13D-46 BTR	13	040S	060W	4301350470	18076	Indian	Indian	OW	P
14-8D-45 BTR	8	040S	050W	4301350567	18207	Indian	Indian	OW	P
14-5D-45 BTR	5	040S	050W	4301350568	18108	Indian	Indian	OW	P
16-31D-36 BTR	31	030S	060W	4301350573	18004	Indian	Fee	OW	P
5-7D-46 BTR	7	040S	060W	4301350574	18176	Indian	Indian	OW	P
LC TRIBAL 13H-33-46	34	040S	060W	4301350575	18223	Indian	State	OW	P
5-8-45 BTR	8	040S	050W	4301350607	18279	Indian	Indian	OW	P
16-6D-45 BTR	6	040S	050W	4301350610	18177	Indian	Indian	OW	P
5-18D-45 BTR	18	040S	050W	4301350611	18300	Indian	Indian	OW	P
7-26-37 BTR	26	030S	070W	4301350641	18131	Indian	Fee	OW	P
3-11D-36 BTR	11	030S	060W	4301350642	18299	Indian	Fee	OW	P
16-1D-46 BTR	1	040S	060W	4301350675	18525	Indian	Indian	OW	P
14-3-45 BTR	3	040S	050W	4301350676	18363	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

4-17D-45 BTR	17	040S	050W	4301350687	18517	Indian	Indian	OW	P
5-6D-45 BTR	6	040S	050W	4301350688	18726	Indian	Indian	OW	P
7-7D-45 BTR	7	040S	050W	4301350689	18380	Indian	Indian	OW	P
14-10D-45 BTR	10	040S	050W	4301350754	18447	Indian	Indian	OW	P
14-9D-45 BTR	9	040S	050W	4301350755	18379	Indian	Indian	OW	P
13-16D-36 BTR	16	030S	060W	4301350757	18206	Indian	State	OW	P
5-9D-36 BTR	9	030S	060W	4301350843	18381	Indian	Fee	OW	P
16-5D-46 BTR	5	040S	060W	4301350844	18280	Fee	Fee	OW	P
5-27D-37 BTR	27	030S	070W	4301350847	18526	Indian	Fee	OW	P
7-4D-45 BTR	4	040S	050W	4301350884	18562	Indian	Indian	OW	P
2-16D-45 BTR	16	040S	050W	4301350899	18619	Indian	Indian	OW	P
16-10D-45 BTR	10	040S	050W	4301350902	18725	Indian	Indian	OW	P
5-2D-36 BTR	2	030S	060W	4301350913	18886	Indian	Fee	OW	P
13H-27-36 BTR	27	030S	060W	4301350918	18445	Indian	State	OW	P
8-16D-46 BTR	16	040S	060W	4301350953	19027	Indian	Indian	OW	P
16-16D-46 BTR	16	040S	060W	4301350956	19028	Indian	Indian	OW	P
16-9D-45 BTR	9	040S	050W	4301350962	18662	Indian	Indian	OW	P
14-31D-36 BTR	31	030S	060W	4301350973	18524	Indian	Fee	OW	P
5-10D-36 BTR	10	030S	060W	4301350978	18989	Indian	Fee	OW	P
1-32D-36 BTR	32	030S	060W	4301350979	18648	Indian	Fee	OW	P
16-12D-36 BTR	12	030S	060W	4301350980	18748	Indian	Fee	OW	P
2-18D-45 BTR	18	040S	050W	4301350991	18776	Indian	Indian	OW	P
3-1-46 BTR	1	040S	060W	4301351017	18777	Indian	Fee	OW	P
10-5-45 BTR	5	040S	050W	4301351062	18724	Indian	Indian	OW	P
12-4D-45 BTR	4	040S	050W	4301351063	18813	Indian	Indian	OW	P
1-10D-45 BTR	10	040S	050W	4301351064	18966	Indian	Indian	OW	P
16-2D-46 BTR	2	040S	060W	4301351079	18830	Indian	Indian	OW	P
9H-4-45 BTR	4	040S	050W	4301351092	18814	Indian	Indian	OW	P
12-17-45 BTR	17	040S	050W	4301351097	18984	Indian	Indian	OW	P
5-9D-46 BTR	9	040S	060W	4301351109	19313	Indian	Fee	OW	P
14-9D-36 BTR	9	030S	060W	4301351144	19004	Indian	Fee	OW	P
5-31D-36 BTR	31	030S	060W	4301351146	18691	Indian	Fee	OW	P
4-9D-45 BTR	9	040S	050W	4301351157	18883	Indian	Indian	OW	P
8-12D-46 BTR	12	040S	060W	4301351159	18911	Indian	Indian	OW	P
LC TRIBAL 16-23D-47	23	040S	070W	4301351180	18617	Indian	Indian	OW	P
14-7D-45 BTR	7	040S	050W	4301351222	18949	Indian	Indian	OW	P
5-16D-45 BTR	16	040S	050W	4301351223	18987	Indian	Indian	OW	P
4-5D-45 BTR	5	040S	050W	4301351242	18882	Indian	Indian	OW	P
LC TRIBAL 16H-19-45	19	040S	050W	4301351278	18627	Indian	Indian	OW	P
LC TRIBAL 13-19D-45	19	040S	050W	4301351280	18628	Indian	Indian	OW	P
LC TRIBAL 5-30D-45	30	040S	050W	4301351281	19448	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC TRIBAL 15-24D-46	24	040S	060W	4301351283	18626	Indian	Indian	OW	P
LC TRIBAL 13H-24-46	19	040S	050W	4301351289	18629	Indian	Indian	OW	P
7-16-47 BTR	16	040S	070W	4301351296	18950	Indian	Fee	OW	P
14-18D-45 BTR	18	040S	050W	4301351313	19005	Indian	Indian	OW	P
LC TRIBAL 16-30D-46	30	040S	060W	4301351320	19006	Indian	Indian	OW	P
LC TRIBAL 5-20D-45	20	040S	050W	4301351331	19449	Indian	Indian	OW	P
11-8D-46 BTR	8	040S	060W	4301351336	19314	Indian	Indian	OW	P
5-7D-45 BTR	7	040S	050W	4301351350	18951	Indian	Indian	OW	P
7-5-35 BTR	5	030S	050W	4301351599	19078	Indian	Fee	OW	P
13-5D-35 BTR	5	030S	050W	4301351600	18996	Indian	Fee	OW	P
11-5D-35 BTR	5	030S	050W	4301351601	19061	Fee	Fee	OW	P
15-5D-35 BTR	5	030S	050W	4301351602	19062	Fee	Fee	OW	P
9-5D-35 BTR	5	030S	050W	4301351609	19029	Indian	Fee	OW	P
3-5D-35 BTR	5	030S	050W	4301351638	19079	Indian	Fee	OW	P
7-8-46 BTR	8	040S	060W	4301351702	19315	Indian	Indian	OW	P
7-30-46 DLB	30	040S	060W	4301351703	18997	Fee	Indian	OW	P
3-13D-46 BTR	13	040S	060W	4301351718	18881	Indian	Indian	OW	P
2-13D-46 BTR	13	040S	060W	4301351719	18885	Indian	Indian	OW	P
12-12D-46 BTR	12	040S	060W	4301351720	18867	Indian	Indian	OW	P
10-12D-46 BTR	12	040S	060W	4301351721	18856	Indian	Indian	OW	P
11-11D-47 BTR	11	040S	070W	4301352091	19633	Fee	Fee	OW	P
7-12D-47 BTR	12	040S	070W	4301352094	19600	Indian	Fee	OW	P
5-12D-47 BTR	12	040S	070W	4301352095	19634	Indian	Fee	OW	P
14-33D-35 BTR	33	030S	050W	4301352162	19450	Indian	Fee	OW	P
16-33D-35 BTR	33	030S	050W	4301352163	19451	Indian	Fee	OW	P
14-22-46 DLB	22	040S	060W	4301333660	17604	Indian	Indian	D	PA
13H-31-36 BTR	31	030S	060W	4301350465	18485	Indian	Fee	OW	PA
16X-23D-36 BTR	23	030S	060W	4301350623	18007	Indian	State	OW	PA
8-6-45 BTR	6	040S	050W	4301350900	18561	Indian	Indian	OW	PA
13-13-36 BTR	13	030S	060W	4301350919	18364	Indian	Fee	OW	PA
7-28-46 DLB	28	040S	060W	4301333569	16460	Indian	Indian	OW	S
5-21-36 BTR	21	030S	060W	4301333641	16674	Indian	Fee	GW	S
13-26-36 BTR	26	030S	060W	4301333980	17569	Indian	Fee	OW	S
14-1-46 BTR	1	040S	060W	4301334113	18516	Indian	Indian	OW	S
16-21-36 BTR	21	030S	060W	4301334130	17721	Indian	Fee	OW	S
14-21-36 BTR	21	030S	060W	4301334131	18006	Indian	Fee	OW	S
7-16-36 BTR	16	030S	060W	4301334133	17834	Indian	Fee	OW	S
1-30-36 BTR	30	030S	060W	4301334134	17905	Indian	Fee	OW	S
16-30-36 BTR	30	030S	060W	4301334135	18005	Indian	Fee	OW	S
3-23-36 BTR	23	030S	060W	4301334137	17860	Indian	Fee	OW	S
16-16-36 BTR	16	030S	060W	4301334138	17666	Indian	Fee	OW	S

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

4-26-36 BTR	26	030S	060W	4301334139	17620	Fee	Fee	OW	S
9-11-36 BTR	11	030S	060W	4301334276	17451	Indian	Fee	OW	S
3-36-36 BTR	36	030S	060W	4301350398	17955	Indian	Fee	OW	S
7-10-36 BTR	10	030S	060W	4301350437	18052	Indian	Fee	OW	S
16-12D-46 BTR	12	040S	060W	4301350467	18051	Indian	Indian	OW	S
13H-13-46 BTR	13	040S	060W	4301350468	18208	Indian	Indian	OW	S
13-12-46 BTR	12	040S	060W	4301350469	18233	Indian	Indian	OW	S
14-8D-36 BTR	8	030S	060W	4301350612	18163	Indian	Fee	OW	S
14-7D-36 BTR	7	030S	060W	4301350613	18330	Indian	Fee	OW	S
16-9-36 BTR	9	030S	060W	4301350645	18078	Indian	Fee	OW	S
7-27-37 BTR	27	030S	070W	4301350647	18090	Indian	Fee	OW	S
16-12D-37 BTR	12	030S	070W	4301350785	18446	Indian	Fee	OW	S
14-21D-37 BTR	21	030S	070W	4301350859	18548	Indian	Fee	OW	S
10-18D-36 BTR	18	030S	060W	4301350915	18884	Indian	Fee	OW	S
5-27D-36	27	030S	060W	4301350917	18482	Indian	State	OW	S
10-36D-36 BTR	36	030S	060W	4301351005	18523	Indian	Fee	OW	S
14-6D-45 BTR	6	040S	050W	4301351158	18967	Indian	Indian	OW	S
5H-1-46 BTR UTELAND BUTTE	6	040S	050W	4301351215	18728	Indian	Indian	OW	S
5H-1-46 BTR WASATCH	6	040S	050W	4301351216	18727	Indian	Indian	OW	S
1-25D-36 BTR	25	030S	060W	4301351294	18798	Indian	Fee	OW	S
5-5D-35 BTR	5	030S	050W	4301351605	19055	Indian	Fee	OW	S
16-23-36 BTR	23	030S	060W	4301333971	17182	Indian	Fee	OW	TA
LC TRIBAL 14-23D-47	23	040S	070W	4301334022	18616	Indian	Indian	OW	TA
5-32D-36 BTR	32	030S	060W	4301350756	18328	Indian	Fee	OW	TA





October 20, 2016

Re: Bill Barrett Corporation Transfer to New Operator

Dear Ms. Medina:

Attached please find the change of operation Form 9, Form 5's and Request to Transfer APD form changing the operator from Bill Barrett Corporation to RIG II, LLC, effective 11/1/2016. Badlands Energy – Utah, LLC will be a sub-operator.

**New Operator Contact information:**

RIG II, LLC  
1582 West 2600 South  
Woods Cross, Utah 84087-0298  
Telephone: (801) 683-4245  
Fax: (801) 298-9889

Upon reviewing the attached, please contact myself with any questions at 303-312-8115.

Sincerely,

Bill Barrett Corporation

Brady Riley  
Permit Analyst

**RECEIVED**  
OCT 21 2016  
DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:  
(see attached well list)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
N/A

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:  
(see attached well list)

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☐ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
RIG II, LLC N4055

3. ADDRESS OF OPERATOR:  
1582 West 2600 South CITY Wood Cross STATE UT ZIP 84087 PHONE NUMBER: (801) 683-4245

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: (see attached well list)

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit In Duplicate) Approximate date work will start: 11/1/2016	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

RIG II, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE WELLS LISTED ON THE ATTACHED LIST HAVE BEEN SOLD TO RIG II, LLC BY BILL BARRETT CORPORATION EFFECTIVE 11/1/2016. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE ADDRESS BELOW.

RIG II, LLC  
1582 West 2600 South  
Woods Cross, Utah 84087-0298  
801-683-4245  
(STATE/FEE BOND # 9219529/ BLM BOND # UTB000712/ BIA BOND # LPM9224670)

BILL BARRETT CORPORATION N4165  
Duane Zavala NAME (PLEASE PRINT)  
Duane Zavala SIGNATURE  
Senior Vice President -  
EH&S, Government and Regulatory Affairs

RIG II, LLC  
Jesse McSwain NAME (PLEASE PRINT)  
Jesse McSwain SIGNATURE  
Manager

NAME (PLEASE PRINT) Jesse McSwain  
SIGNATURE Jesse McSwain  
TITLE Manager  
DATE 10/20/16

(This space for State use only)

APPROVED

NOV 07 2016

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**Request to Transfer Application or Permit to Drill**

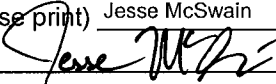
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

<b>Well name:</b>	(See attached list)
<b>API number:</b>	
<b>Location:</b>	Qtr-Qtr:                      Section:                      Township:                      Range:
<b>Company that filed original application:</b>	Bill Barrett Corporation
<b>Date original permit was issued:</b>	
<b>Company that permit was issued to:</b>	Bill Barrett Corporation

Check one	Desired Action:
	<b>Transfer pending (unapproved) Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	<b>Transfer approved Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> If so, has the surface agreement been updated?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <small>9219529-LUDGM / UTB000712-BLM / LPM9224670-BIA</small>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Jesse McSwain Title Manager  
Signature  Date 10/20/16  
Representing (company name) RIG II, LLC

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

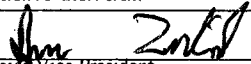
UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

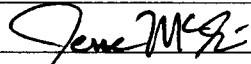
Well Name and Number <b>6-32-36 BTR SWD</b>	API Number <b>4301350921</b>
Location of Well  Footage : <b>1628 FNL 1553 FWL</b> County : <b>DUCHENSE</b>  QQ, Section, Township, Range: <b>SENW    32    3S    6W</b> State : <b>UTAH</b>	Field or Unit Name <b>CEDAR RIM</b>  Lease Designation and Number <b>2OG0005608</b>

**EFFECTIVE DATE OF TRANSFER:** 11/1/2016

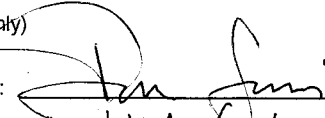
**CURRENT OPERATOR**

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadii</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President -</u>
Phone: <u>(303) 293-9100</u>	Title: <u>EH&amp;S, Government and Regulatory Affairs</u>
Comments:	Date: <u>10/20/16</u>

**NEW OPERATOR**

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by:   
Title: UIC Geologist

Approval Date: 11/3/16

Comments:

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

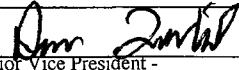
UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

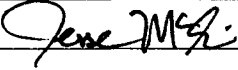
Well Name and Number <b>16-6D-46 BTR SWD</b>	API Number <b>4301350781</b>
Location of Well  Footage : <b>0200 FSL 0099 FEL</b> County : <b>DUCHESNE</b>  QQ, Section, Township, Range: <b>SESE    6    4S    6W</b> State : <b>UTAH</b>	Field or Unit Name <b>ALTAMONT</b>  Lease Designation and Number <b>2OG0005608</b>

**EFFECTIVE DATE OF TRANSFER:** 11/1/2016


**CURRENT OPERATOR**

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadi</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President -</u>
Phone: <u>(303) 293-9100</u>	Title: <u>EH&amp;S, Government and Regulatory Affairs</u>
Comments:	Date: <u>10/20/16</u>

**NEW OPERATOR**

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by:   
Title: VIC

Approval Date: 11/3/16

Comments:

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

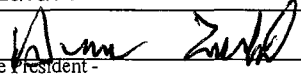
UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

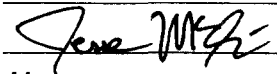
Well Name and Number <b>SWD 9-36 BTR</b>	API Number <b>4301350646</b>
Location of Well  Footage : <b>0539 FSL 0704 FEL</b>  County : <b>DUCHESNE</b>  QQ, Section, Township, Range: <b>SESE 9 3S 6W</b>  State : <b>UTAH</b>	Field or Unit Name <b>CEDAR RIM</b>  Lease Designation and Number <b>2OG0005608</b>

**EFFECTIVE DATE OF TRANSFER:** 11/1/2016

**CURRENT OPERATOR**

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadi</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President - EH&amp;S, Government and Regulatory Affairs</u>
Phone: <u>(303) 293-9100</u>	Date: <u>10/20/16</u>
Comments:	

**NEW OPERATOR**

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Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by: \_\_\_\_\_ Approval Date: \_\_\_\_\_

Title: \_\_\_\_\_

Comments:

*This well was approved by USEPA.  
EPA approval will be required.*